



22,395/B

N. ix. a
18



13

Jas Ferguson

77402

PLATES

ILLUSTRATIVE

OF

James

FERGUSON'S LECTURES

ON

MECHANICS, HYDROSTATICS, HYDRAULICS, PNEUMATICS,
OPTICS, GEOGRAPHY, ASTRONOMY, AND DIALING.

By DAVID BREWSTER, A.M.

THE SECOND EDITION, ENLARGED.

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1806.

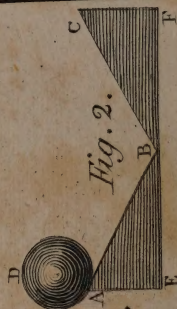
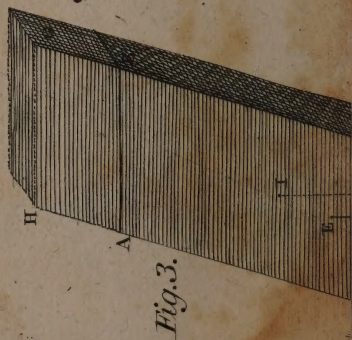
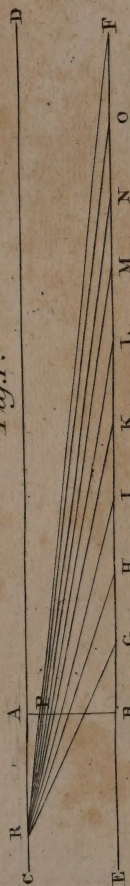
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PLATE I.

Fig. 1.



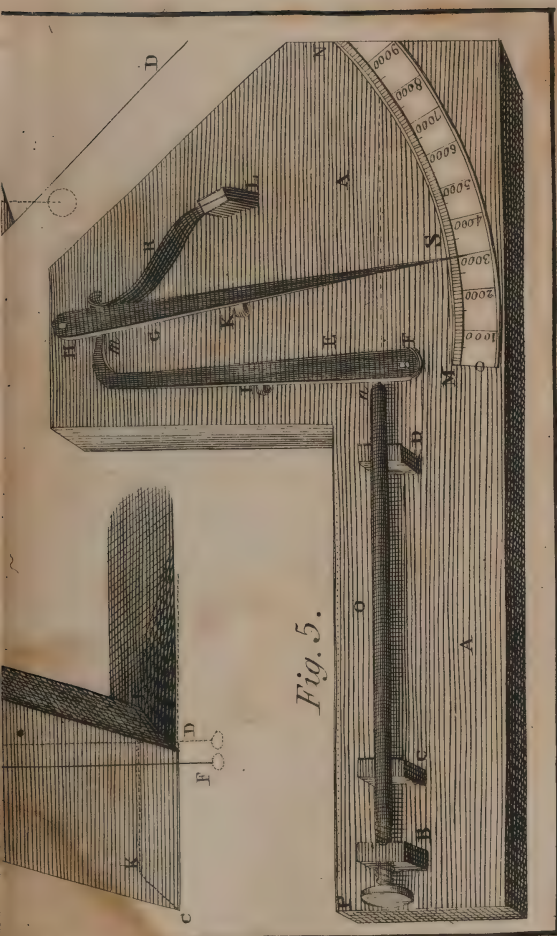
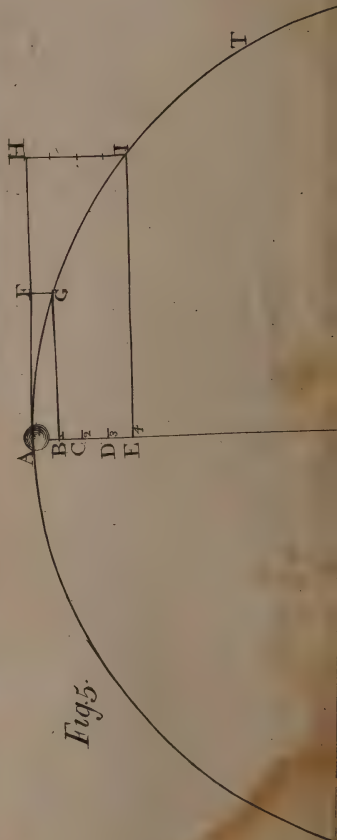
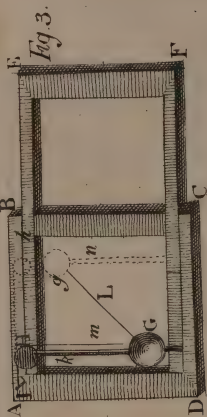
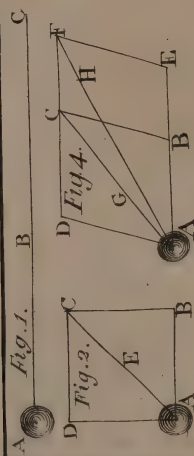


Fig. 5.

PLATE II.



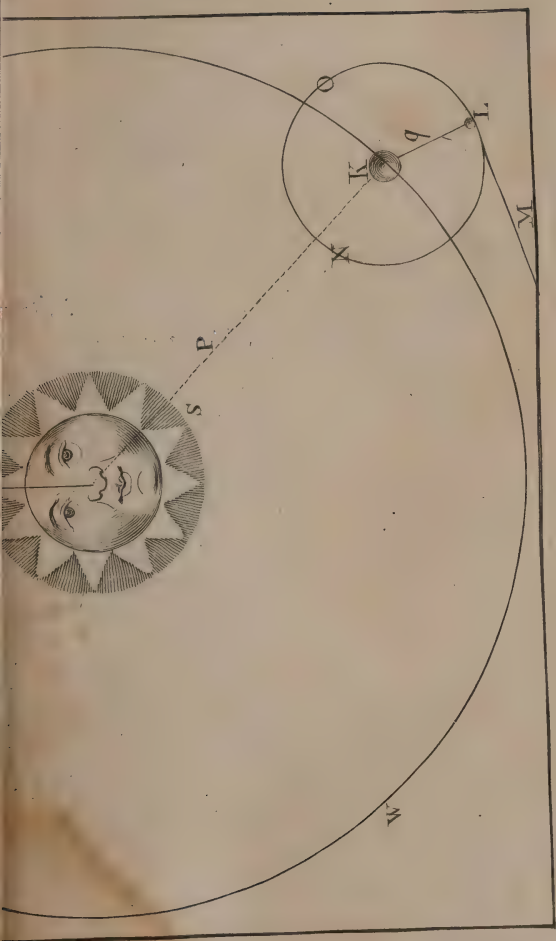
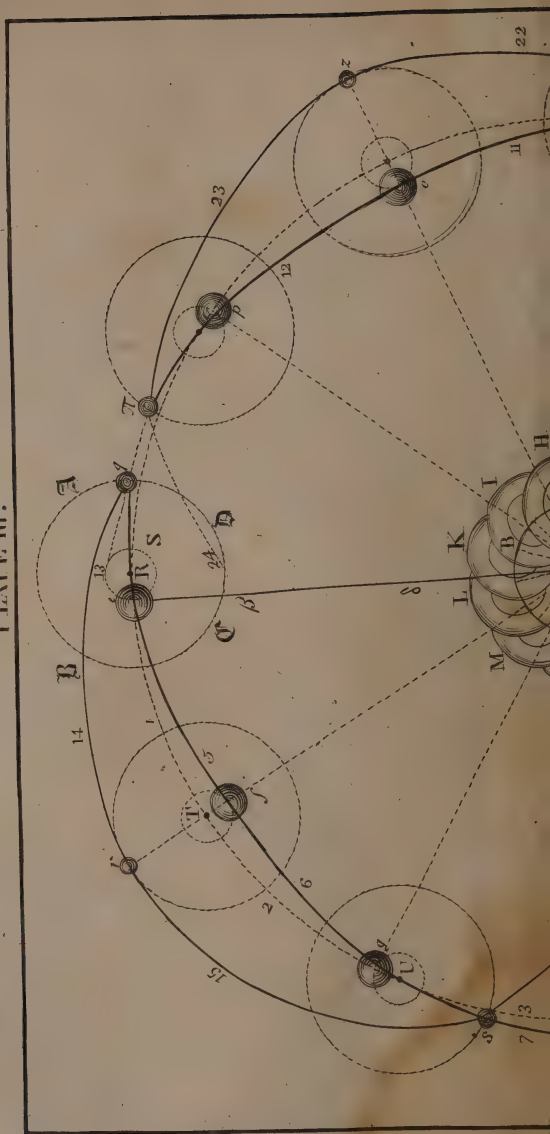




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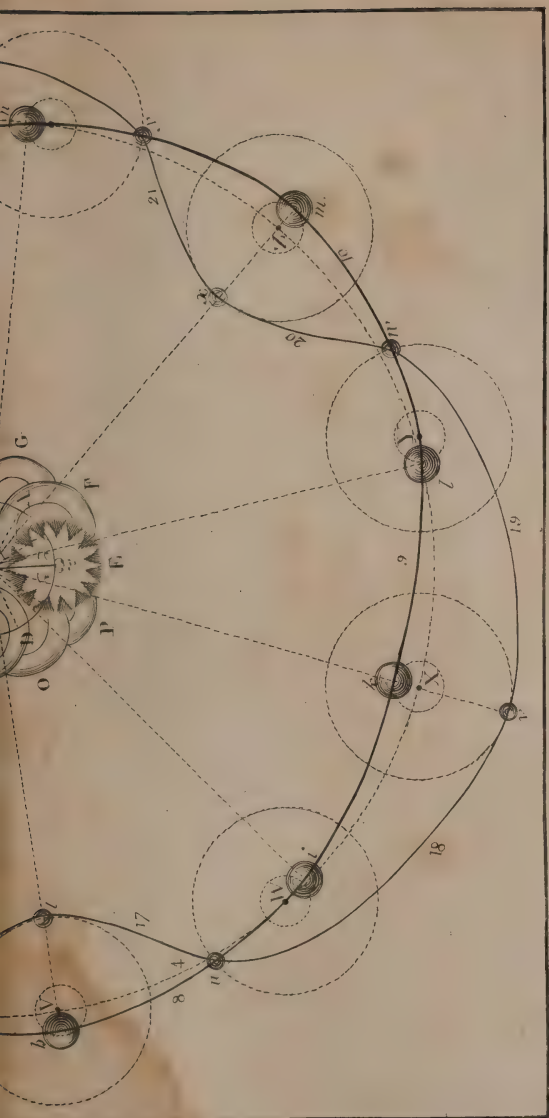


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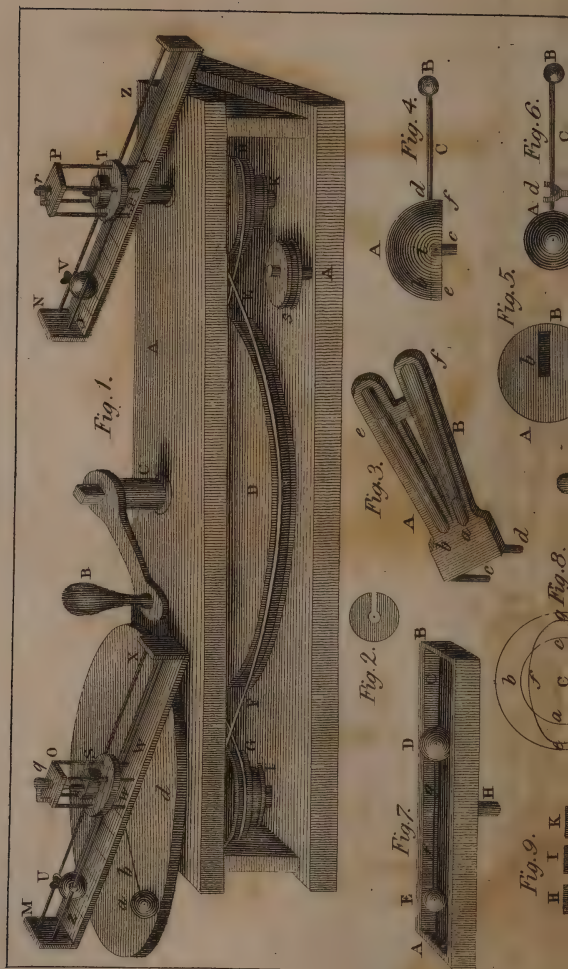




Fig. 12.

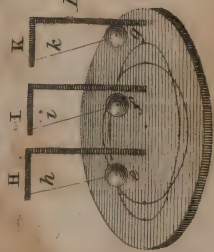


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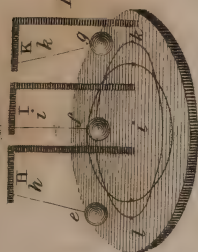
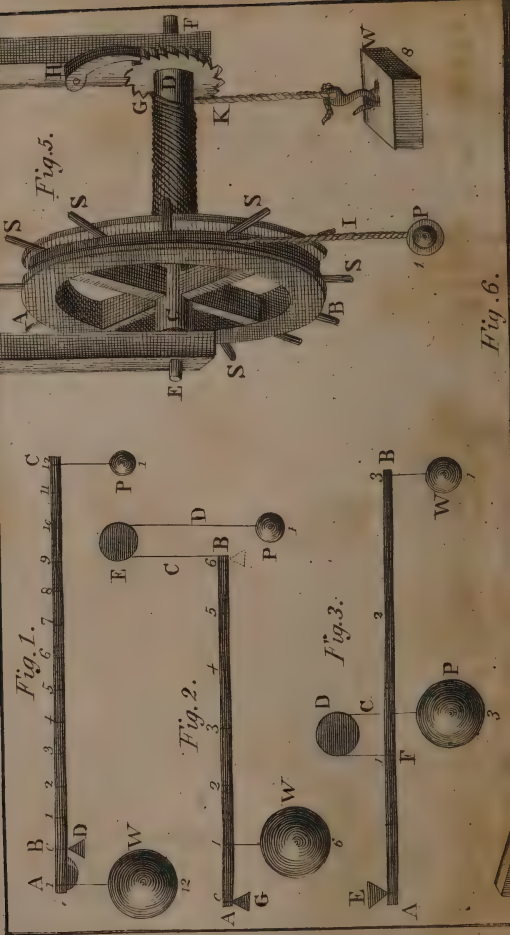


Fig. 11.

Edwards, Sculp.



PLATE V.



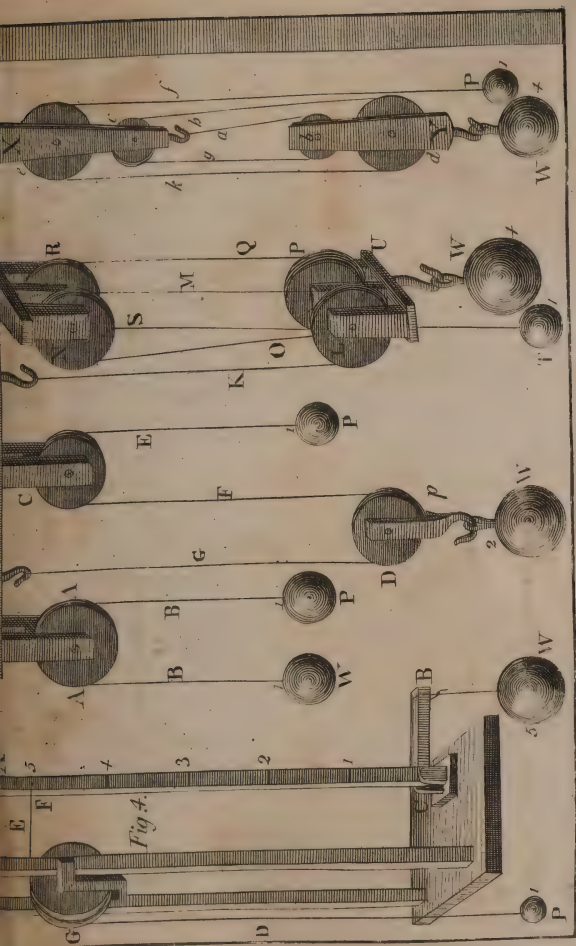




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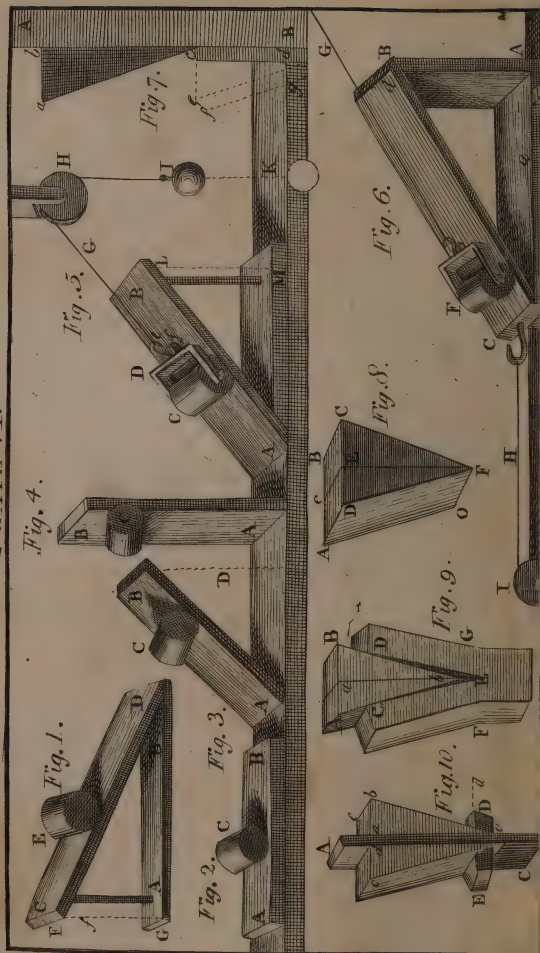


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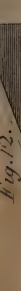


Fig. 13.



Fig. 14.

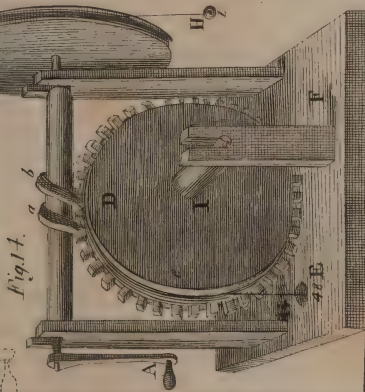


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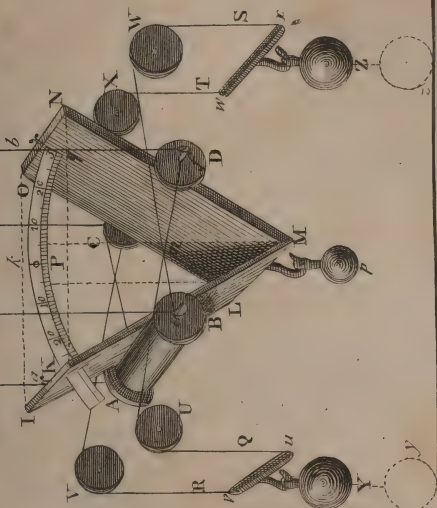
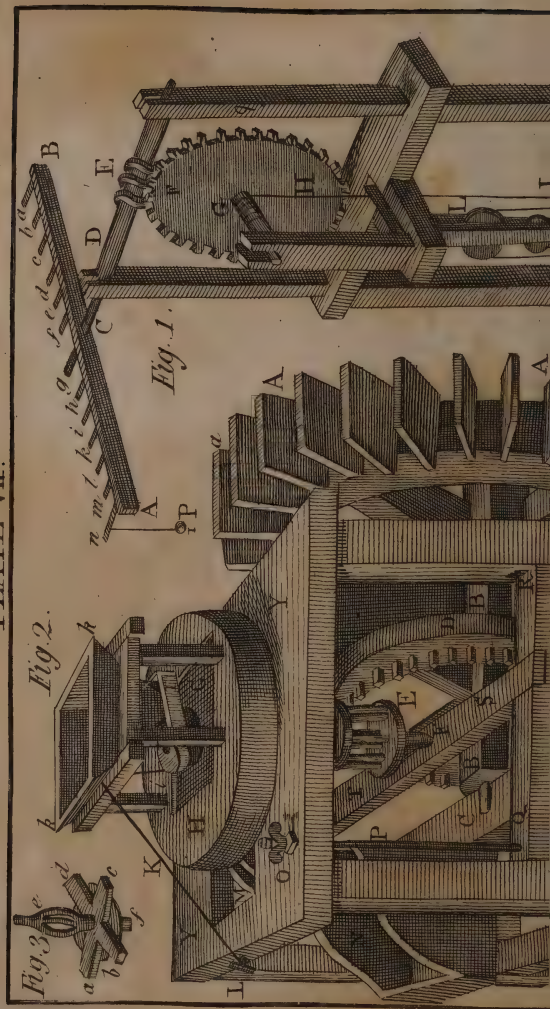


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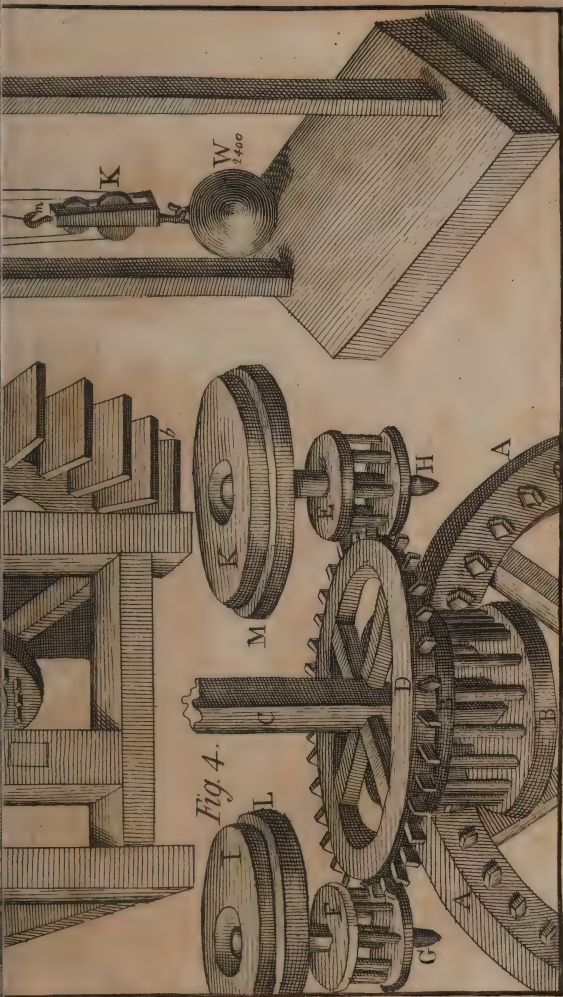
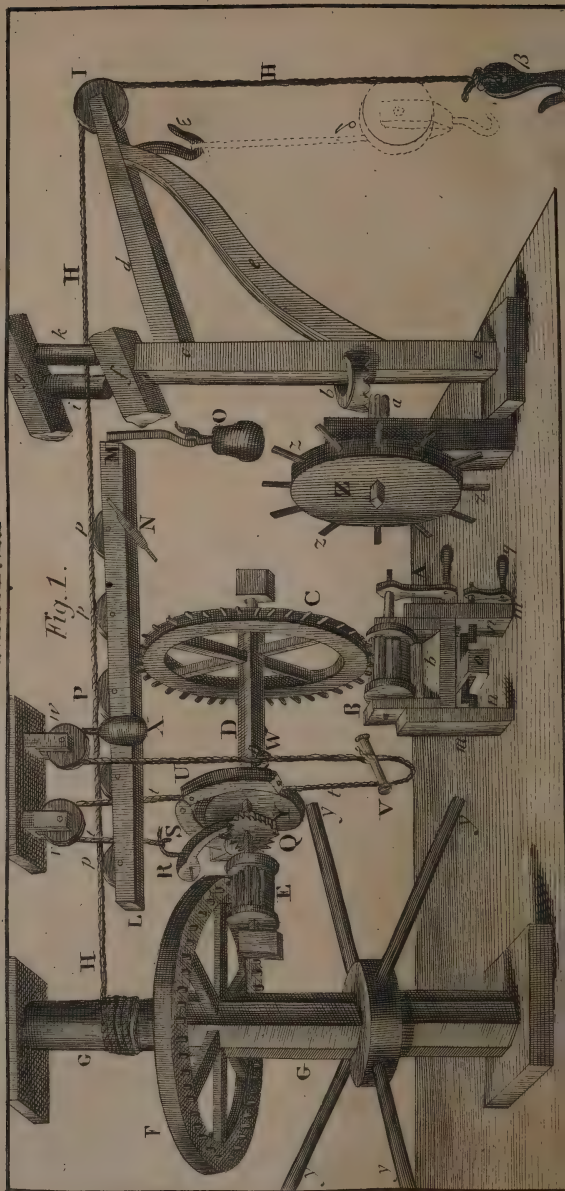


PLATE.VIII

Fig. 1.



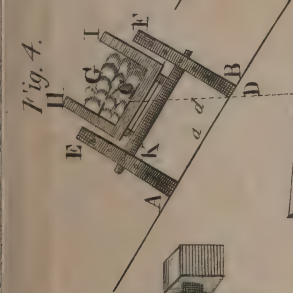
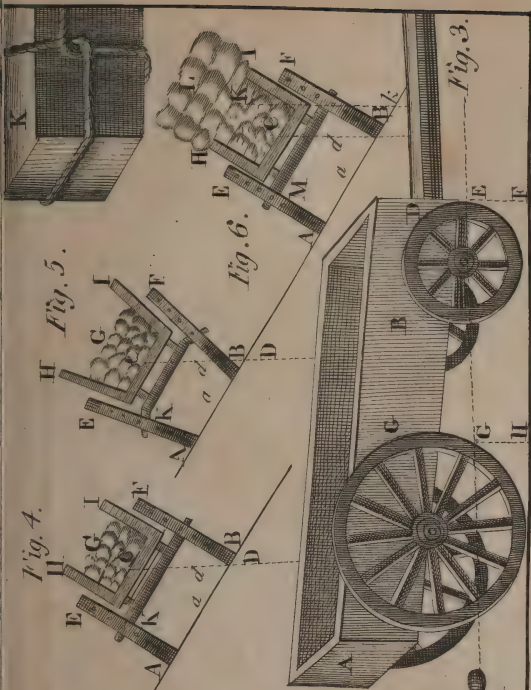
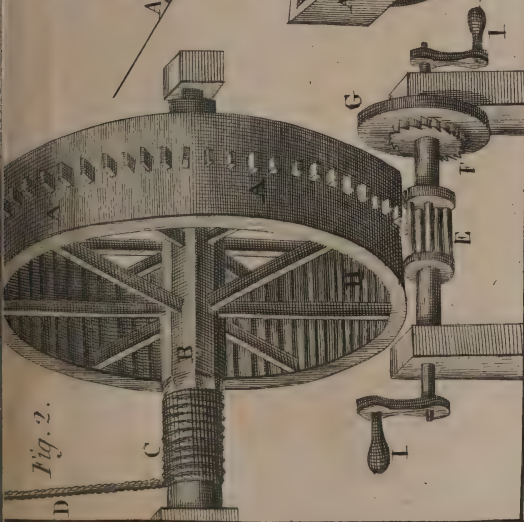
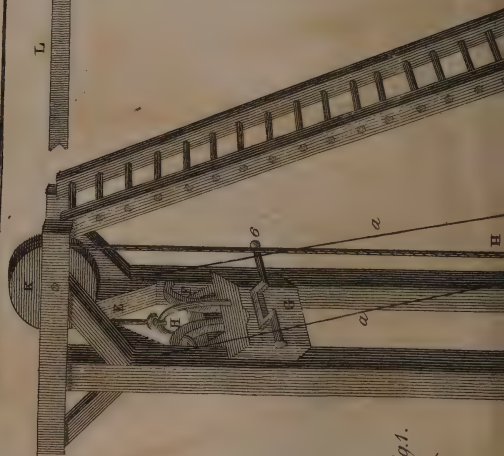
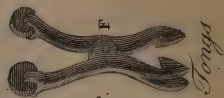
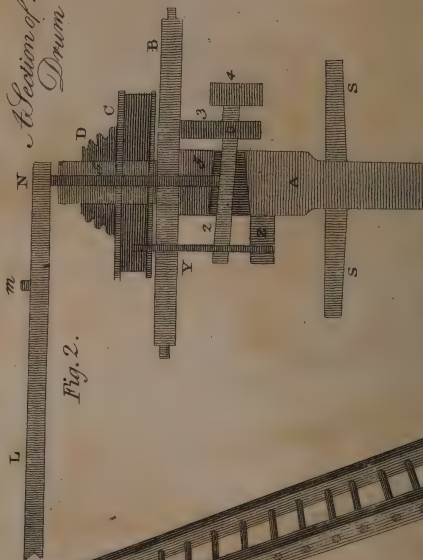




PLATE IX.



*A Section of the great Wheel
Drum and Shaft &c*



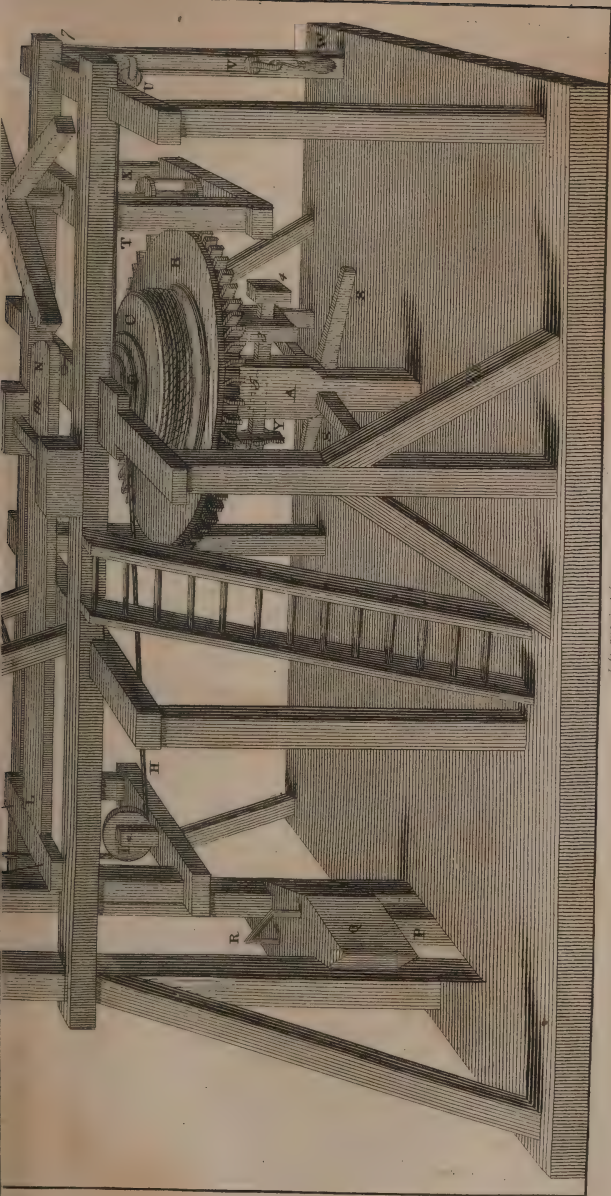


Fig. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.



PLATE X.

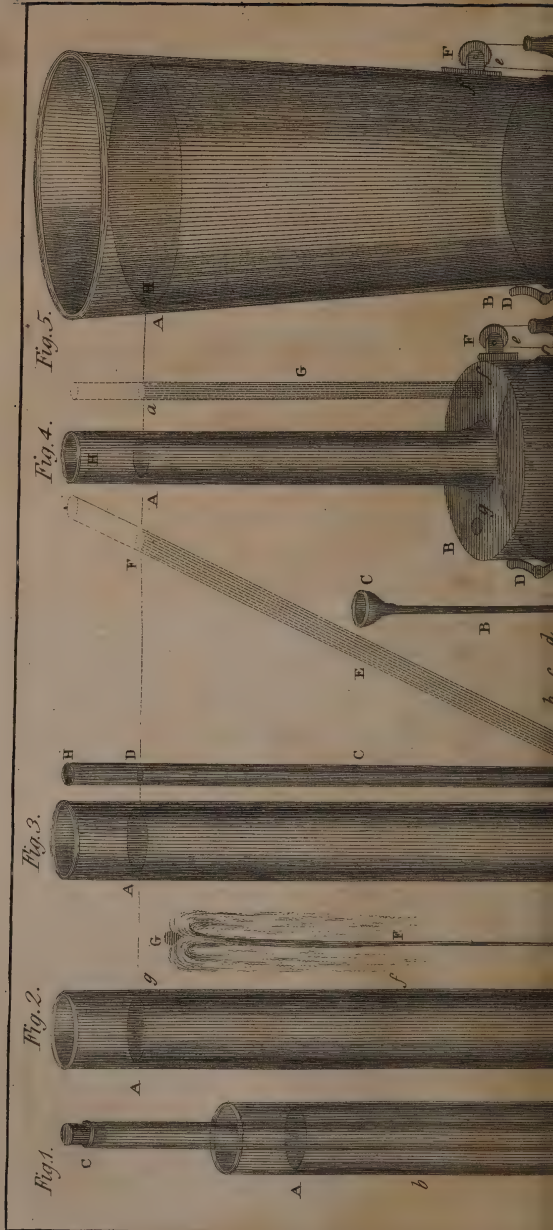




PLATE XI.

Fig. 1.

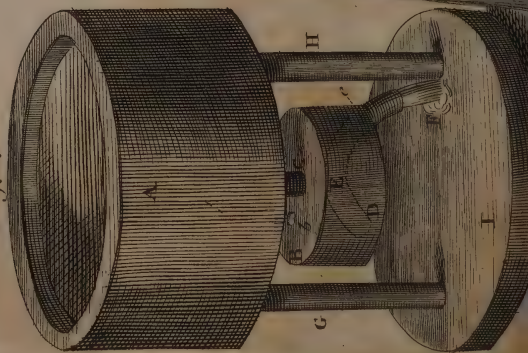


Fig. 3.

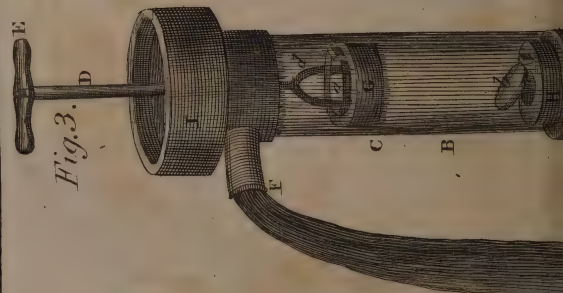
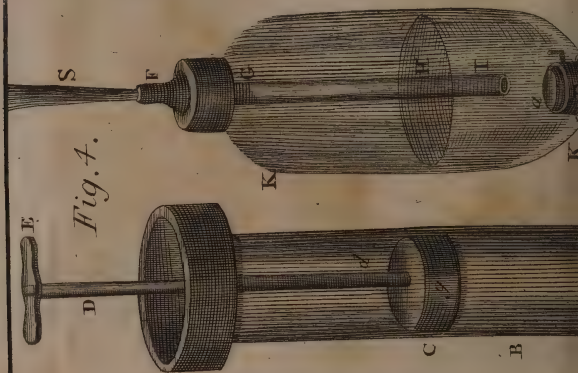


Fig. 4.



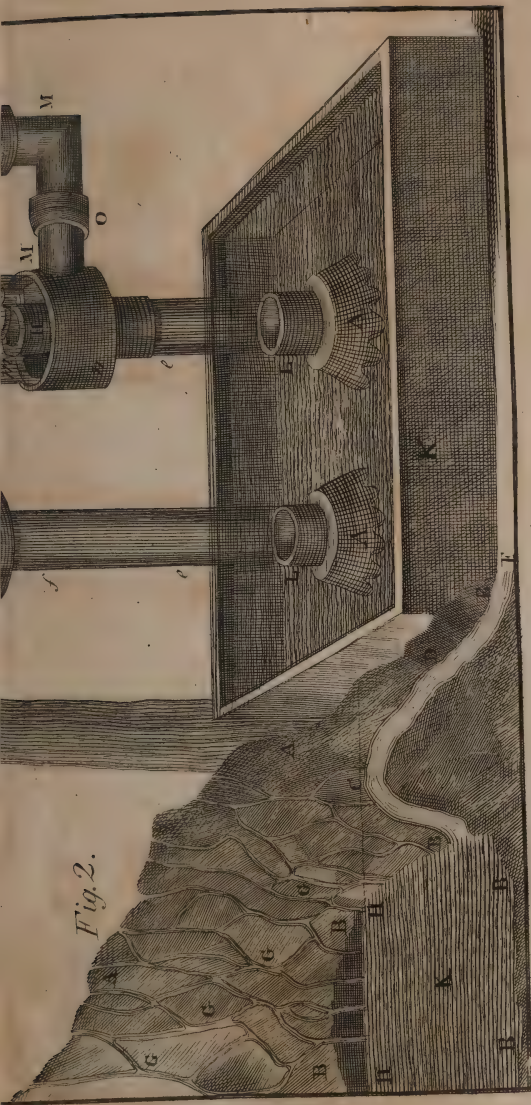
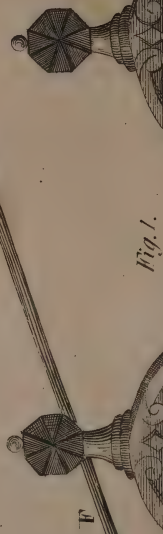
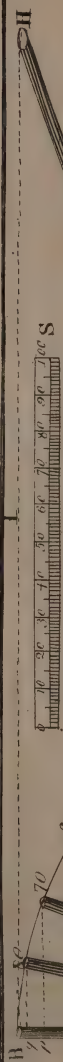


Fig. 2.

PLATE XII.



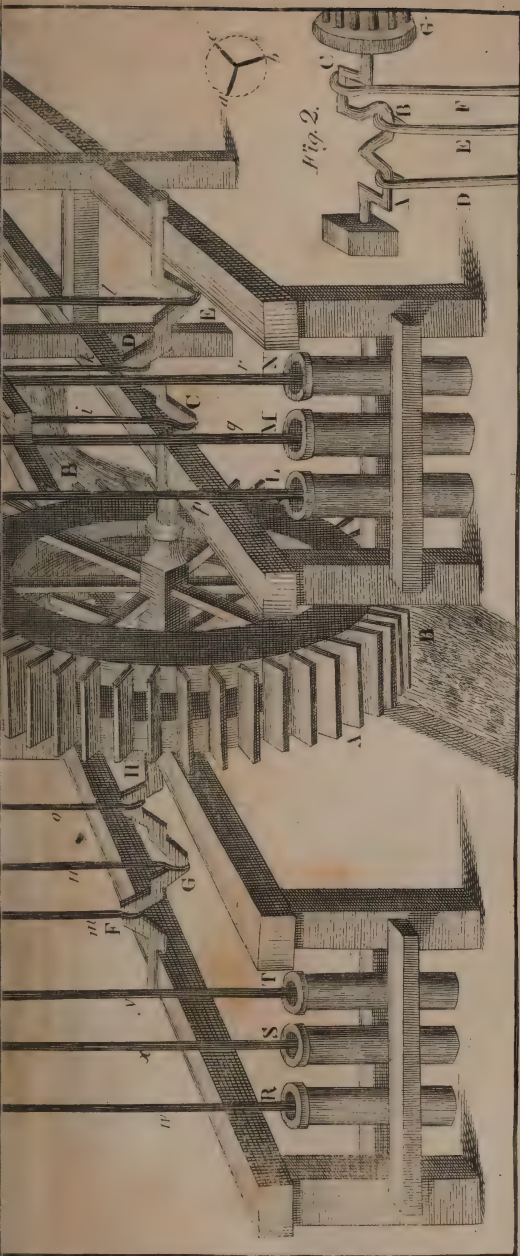
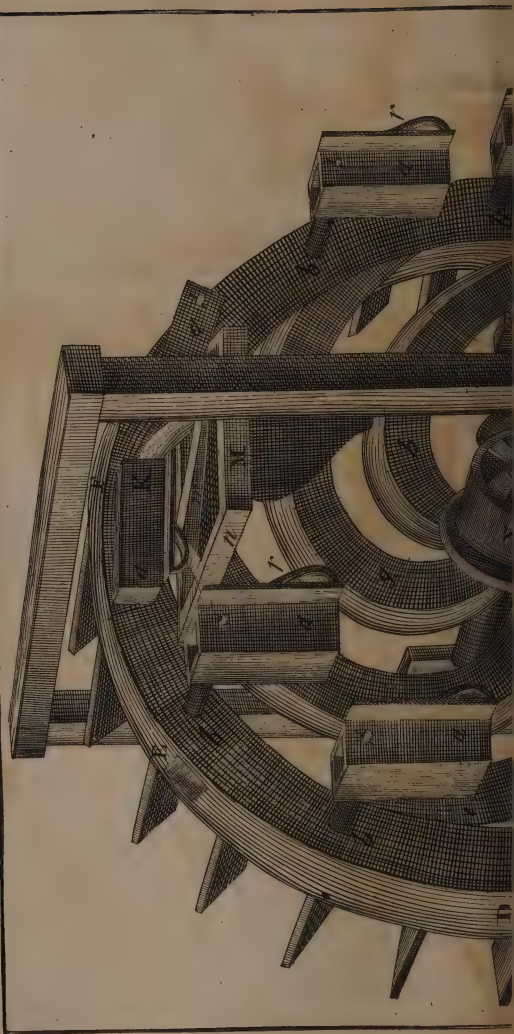


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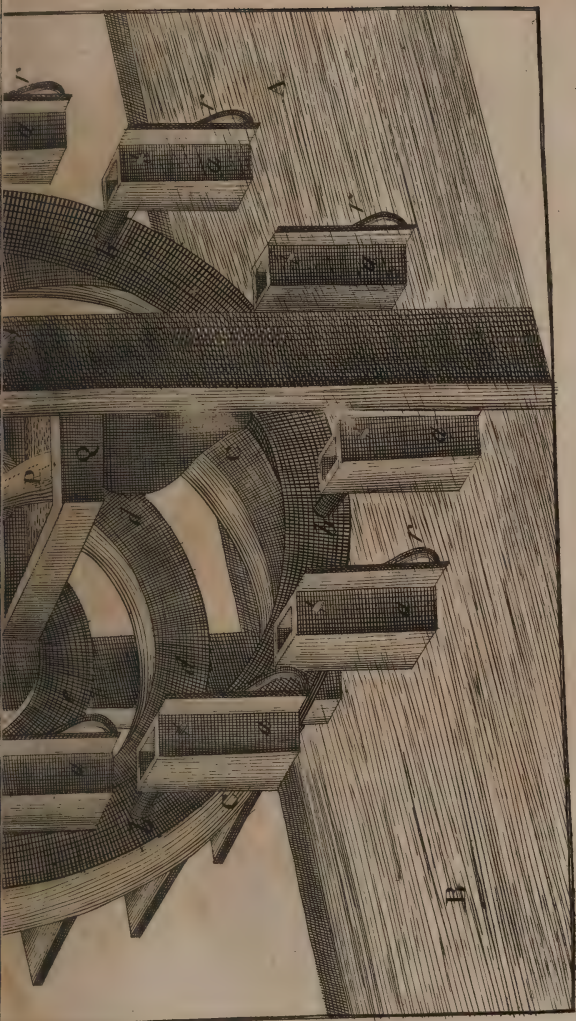


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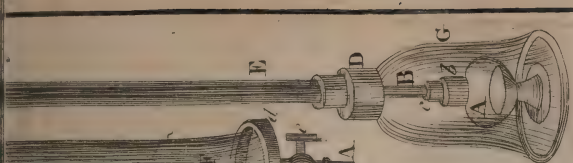
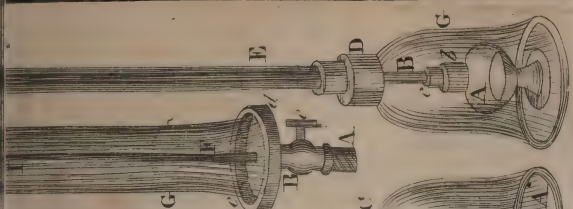
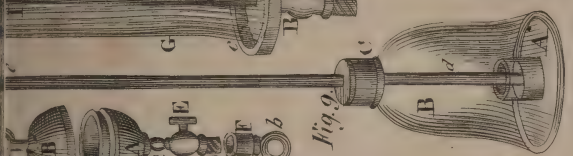
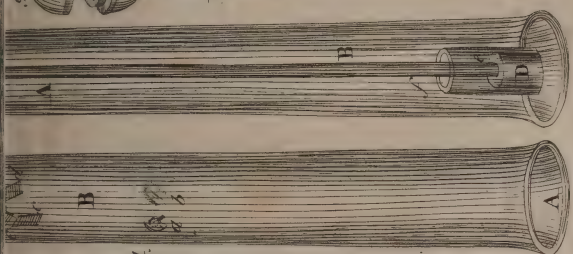
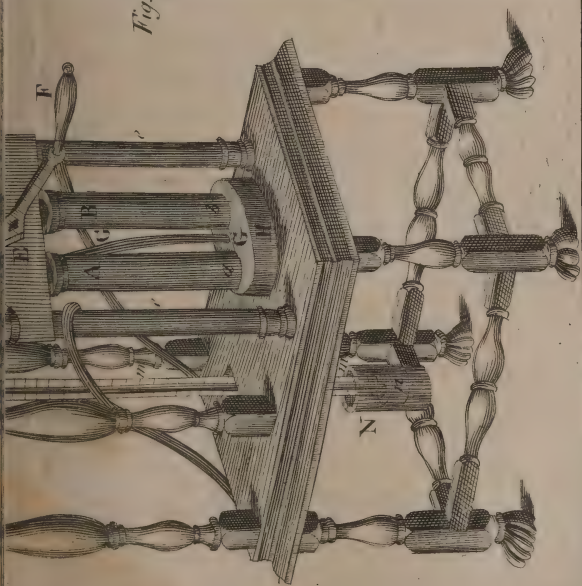


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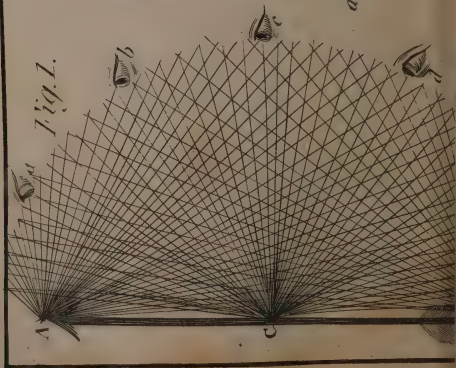


Fig. 2.

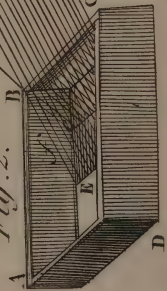


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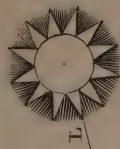


Fig. 5.



Fig. 4.

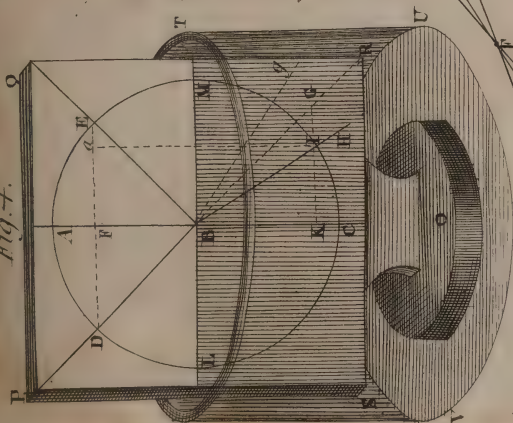


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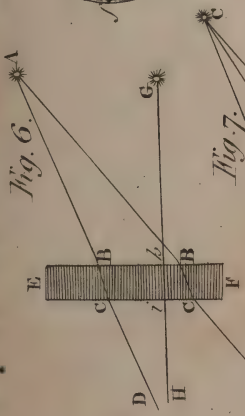


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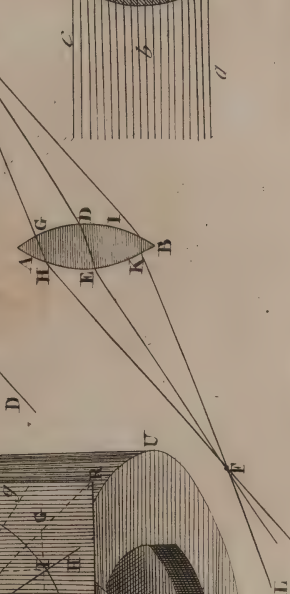


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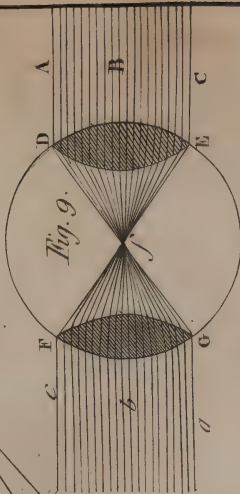


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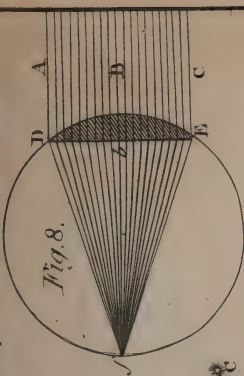




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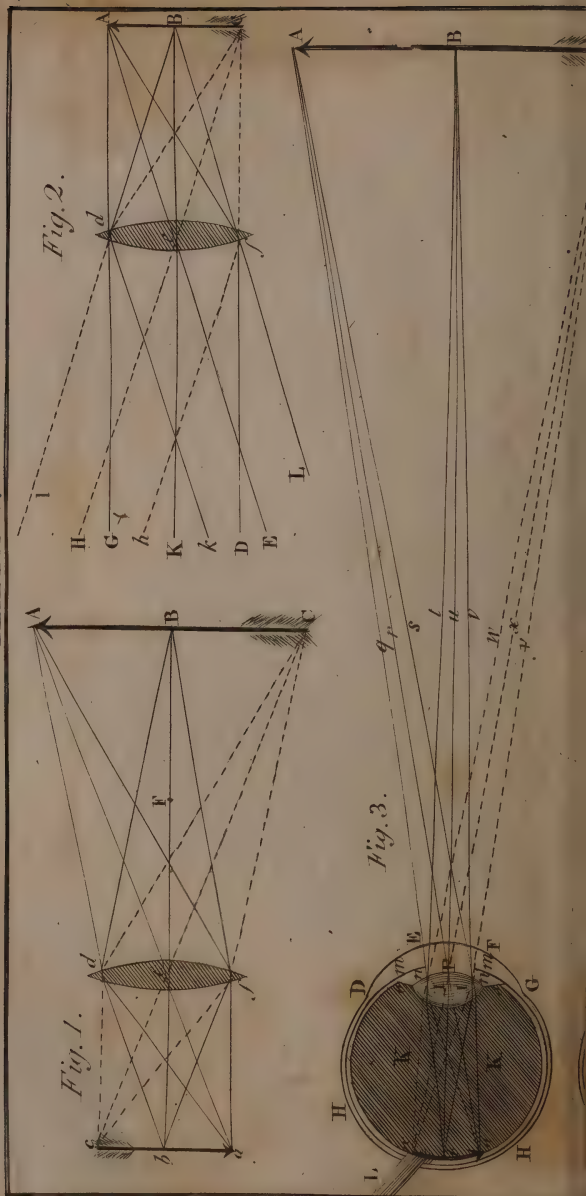


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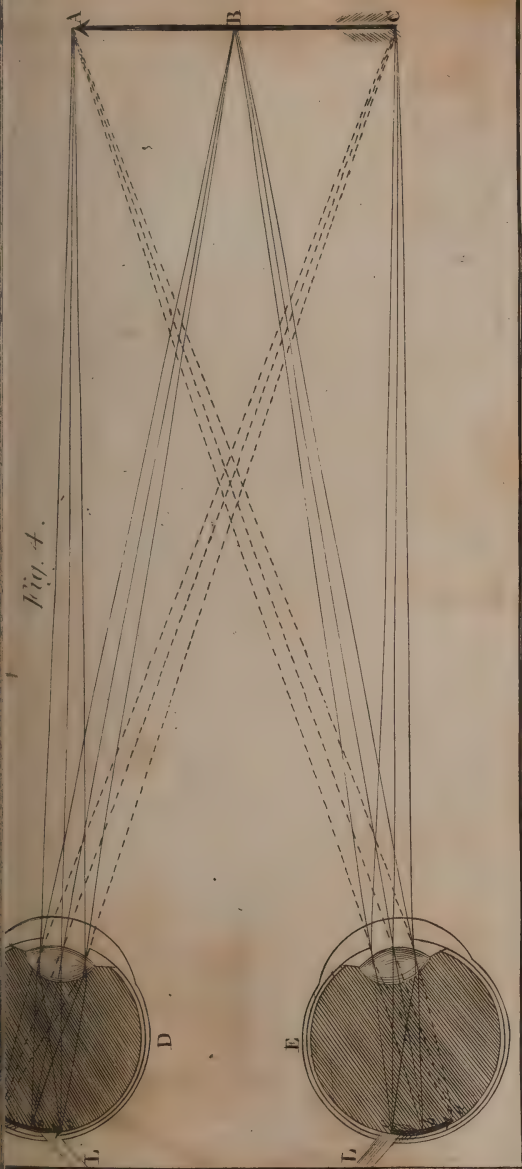


PLATE XVII.

Fig. 1.

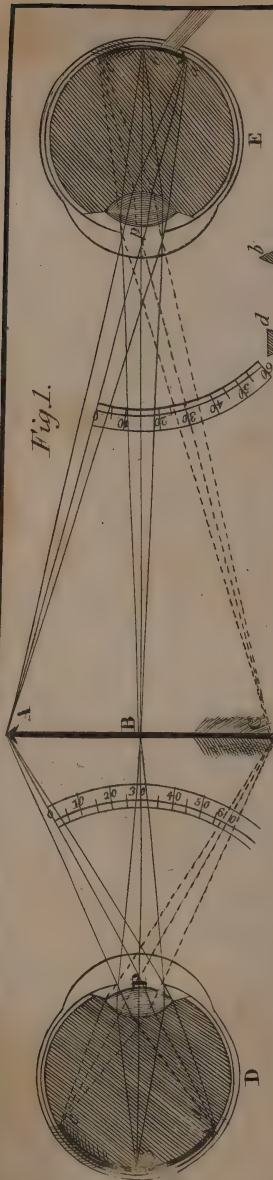


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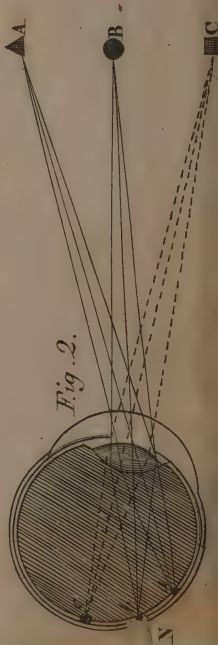
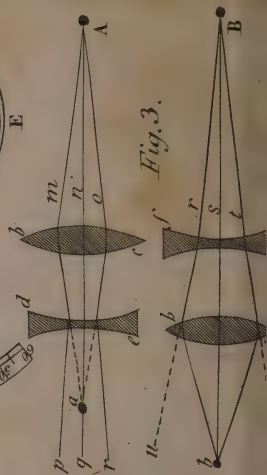


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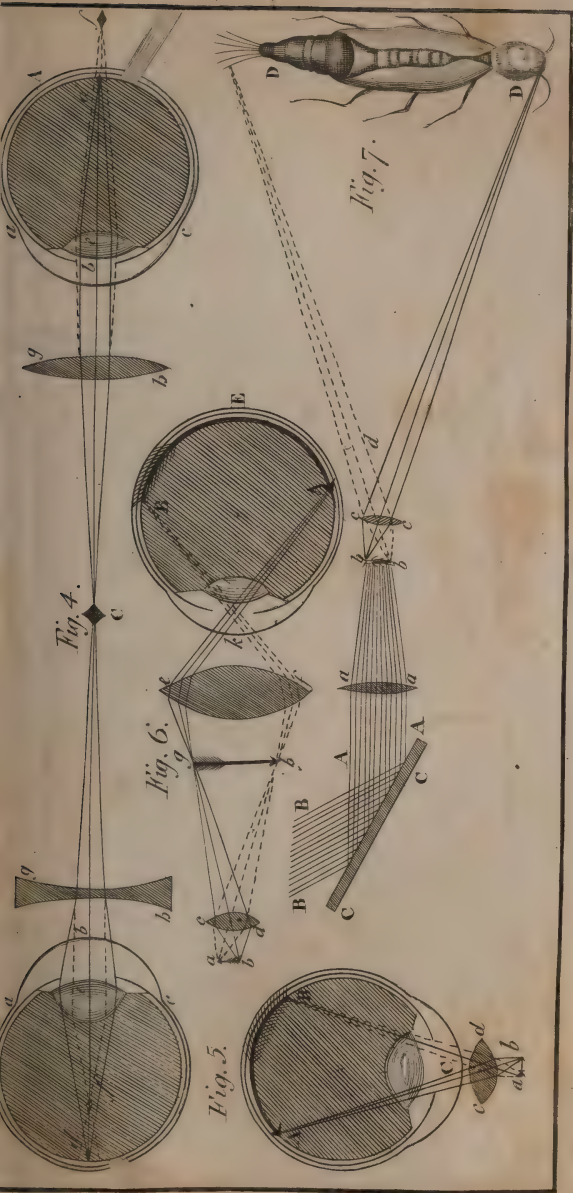


PLATE XVIII.

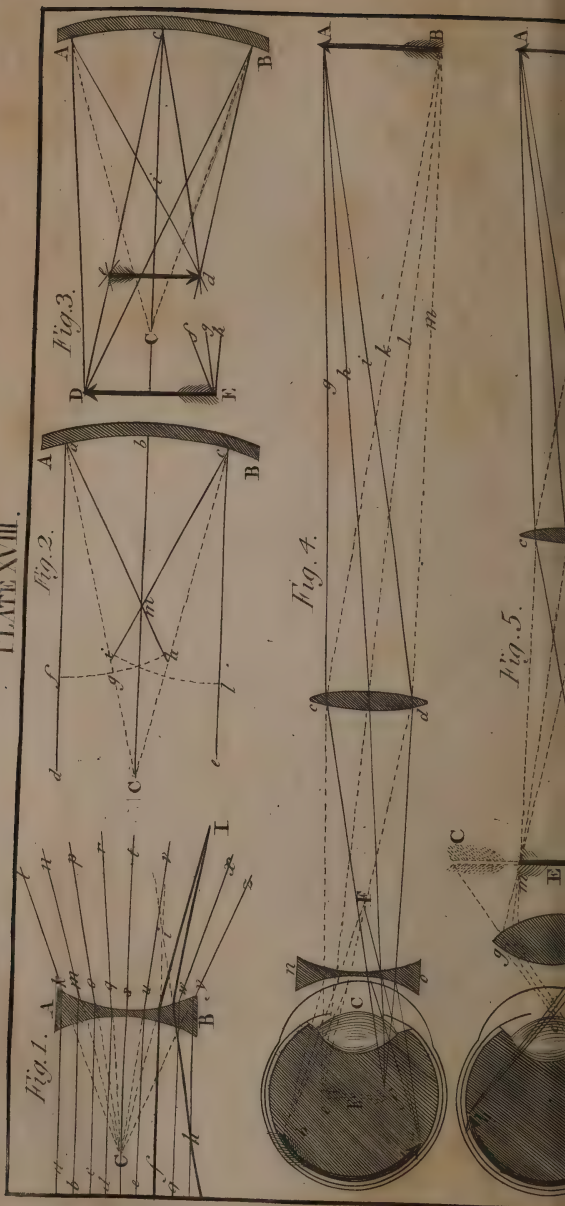
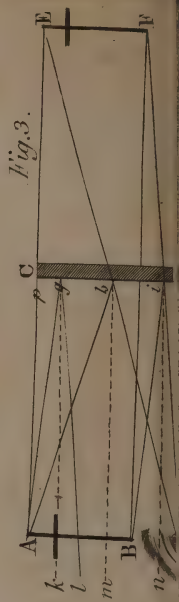
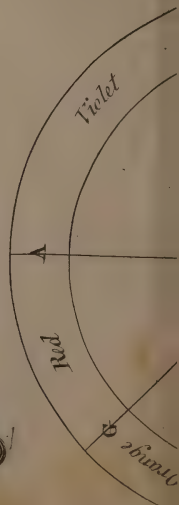
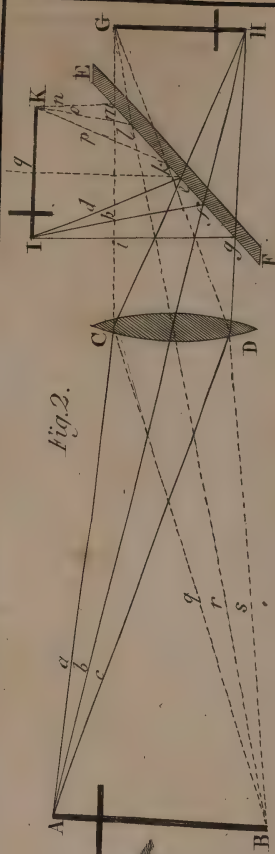
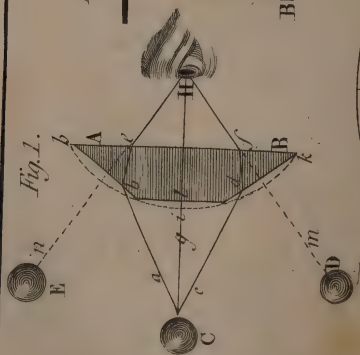
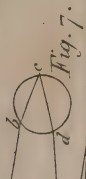
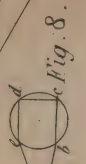
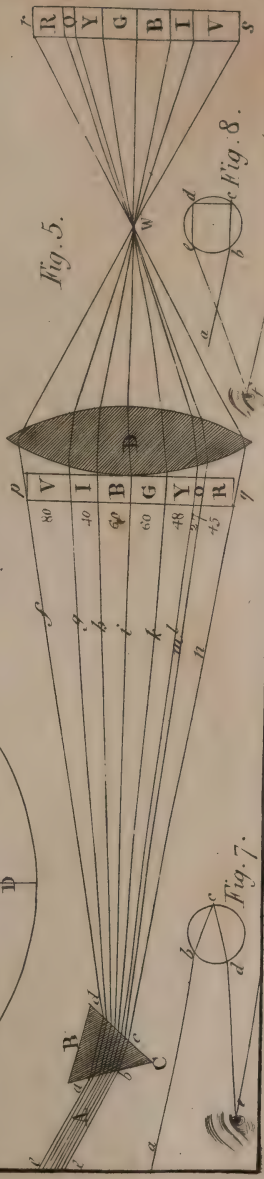
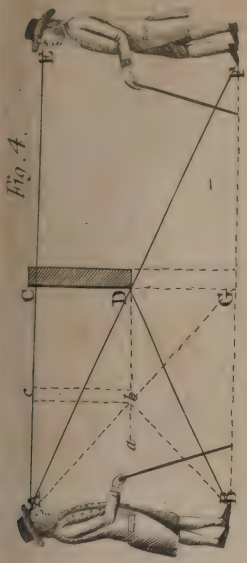
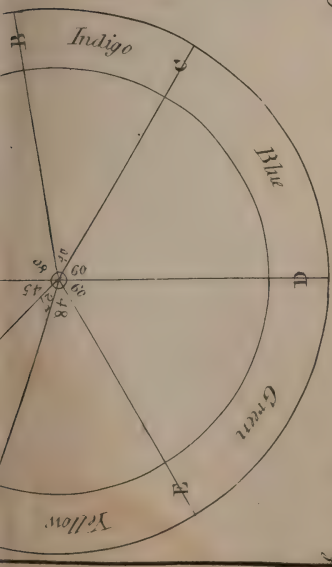




PLATE XIX.





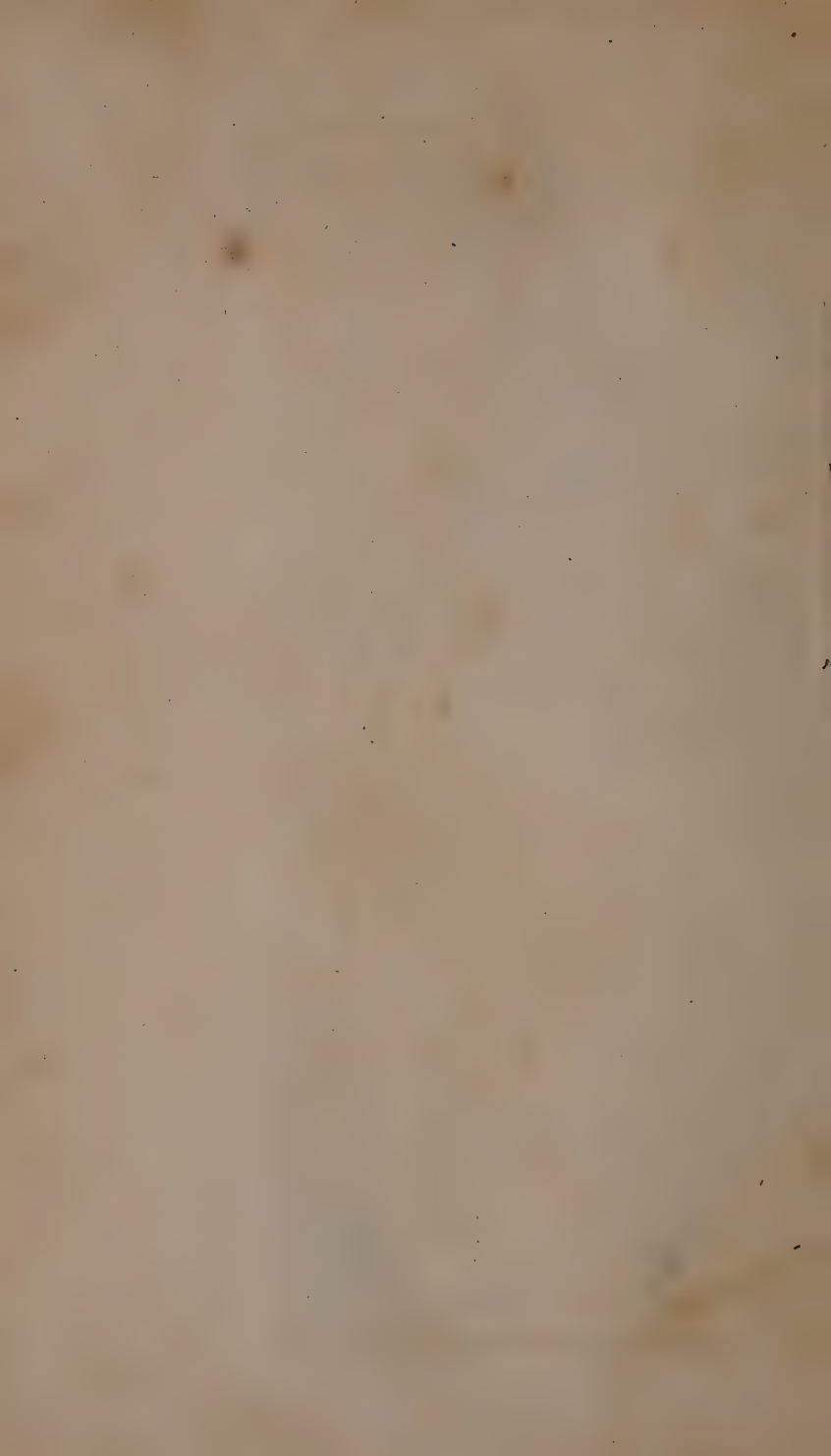
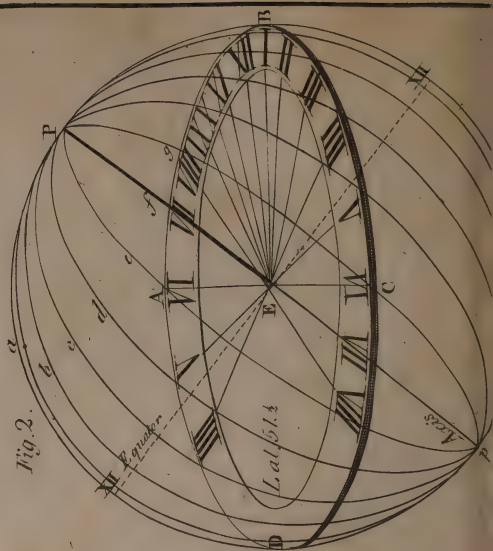
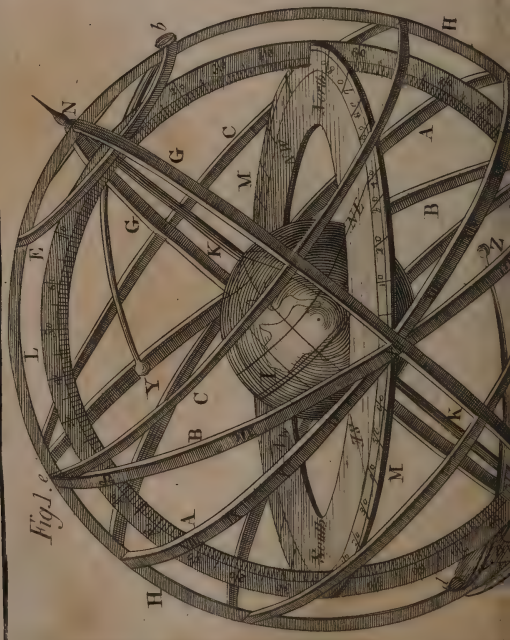


PLATE XX.



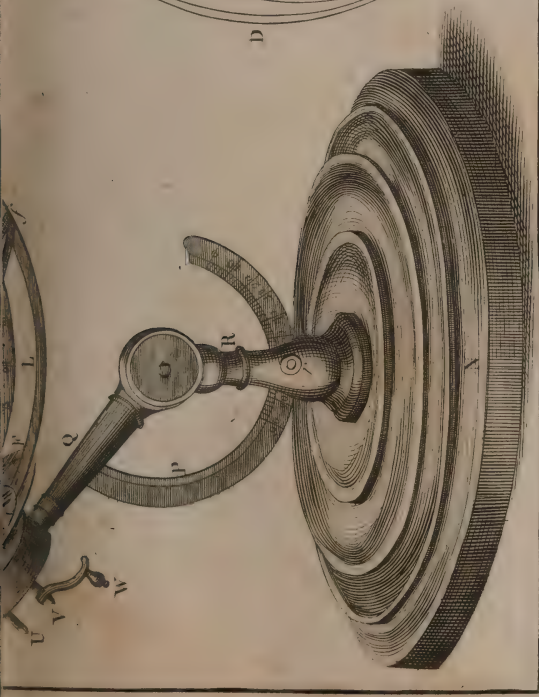
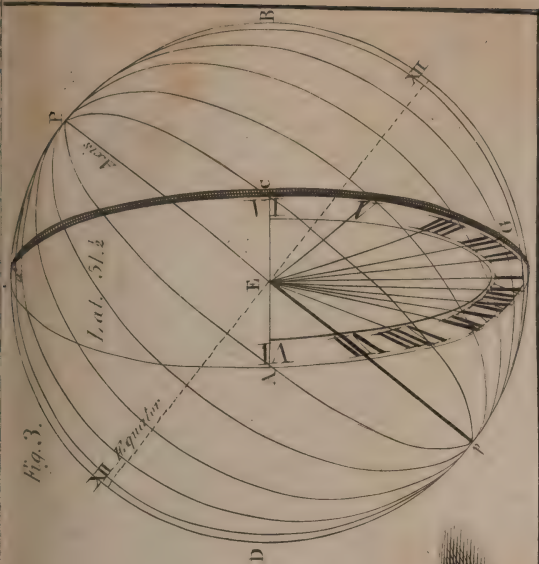
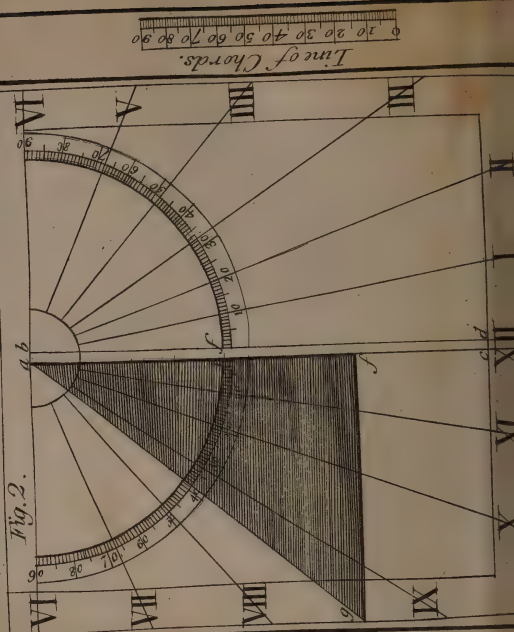
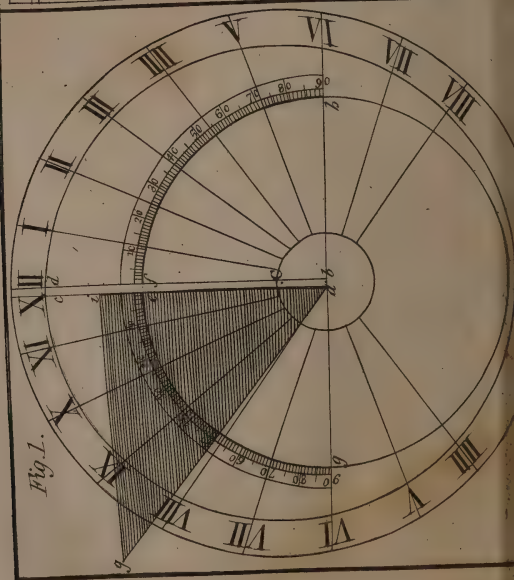




PLATE XXI.



XII I II III IV V VI VII VIII IX X XI XII
 Scale of Hours
 Scale of Minutes

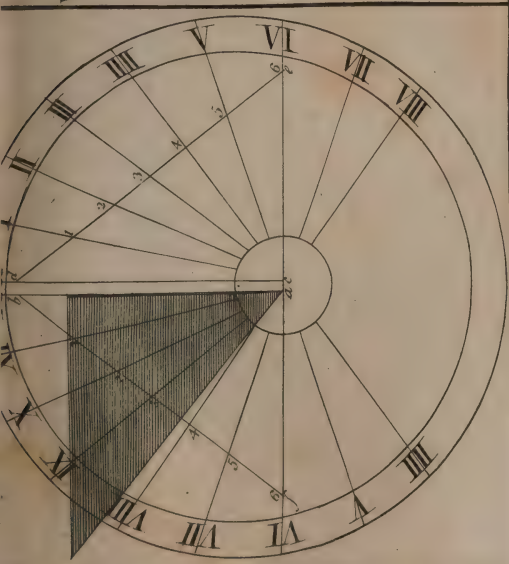
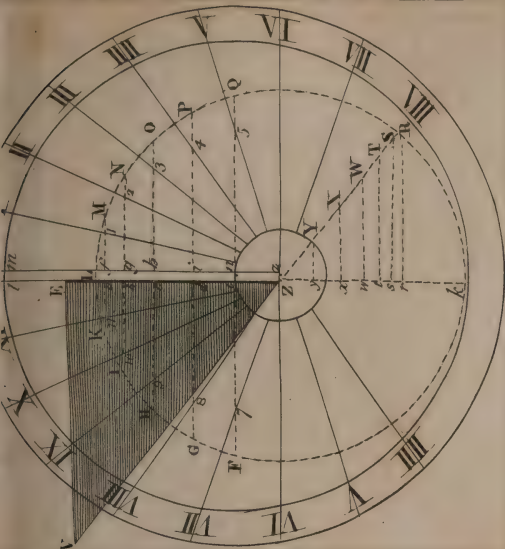
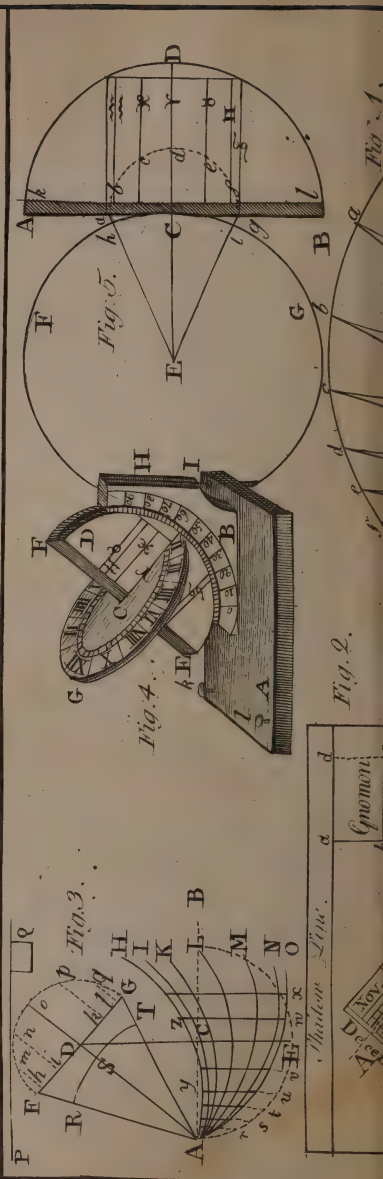
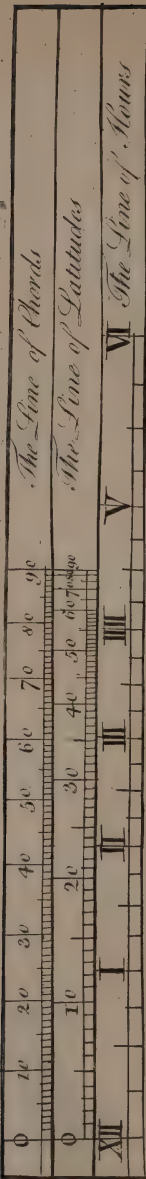
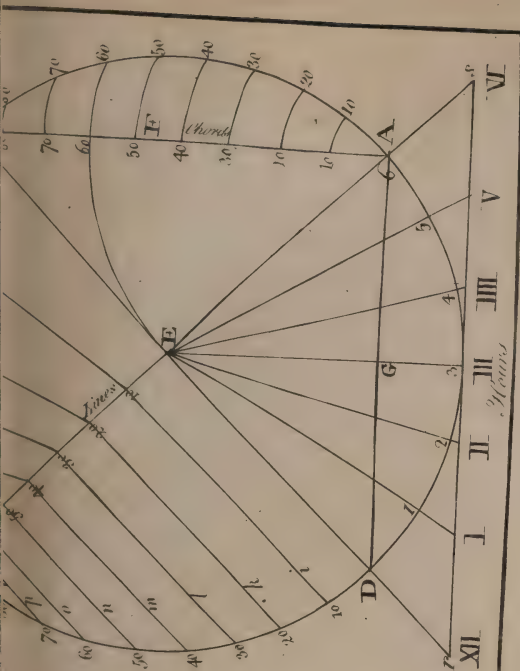
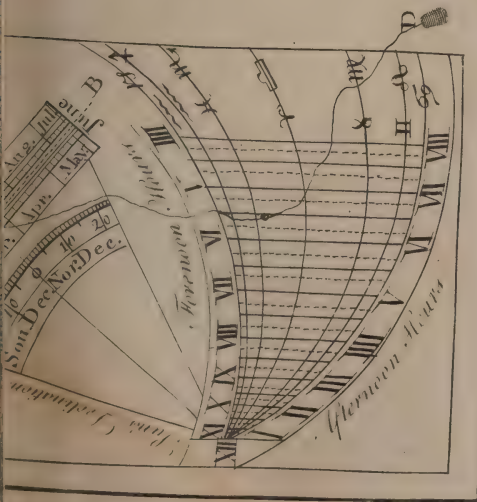




PLATE XXII





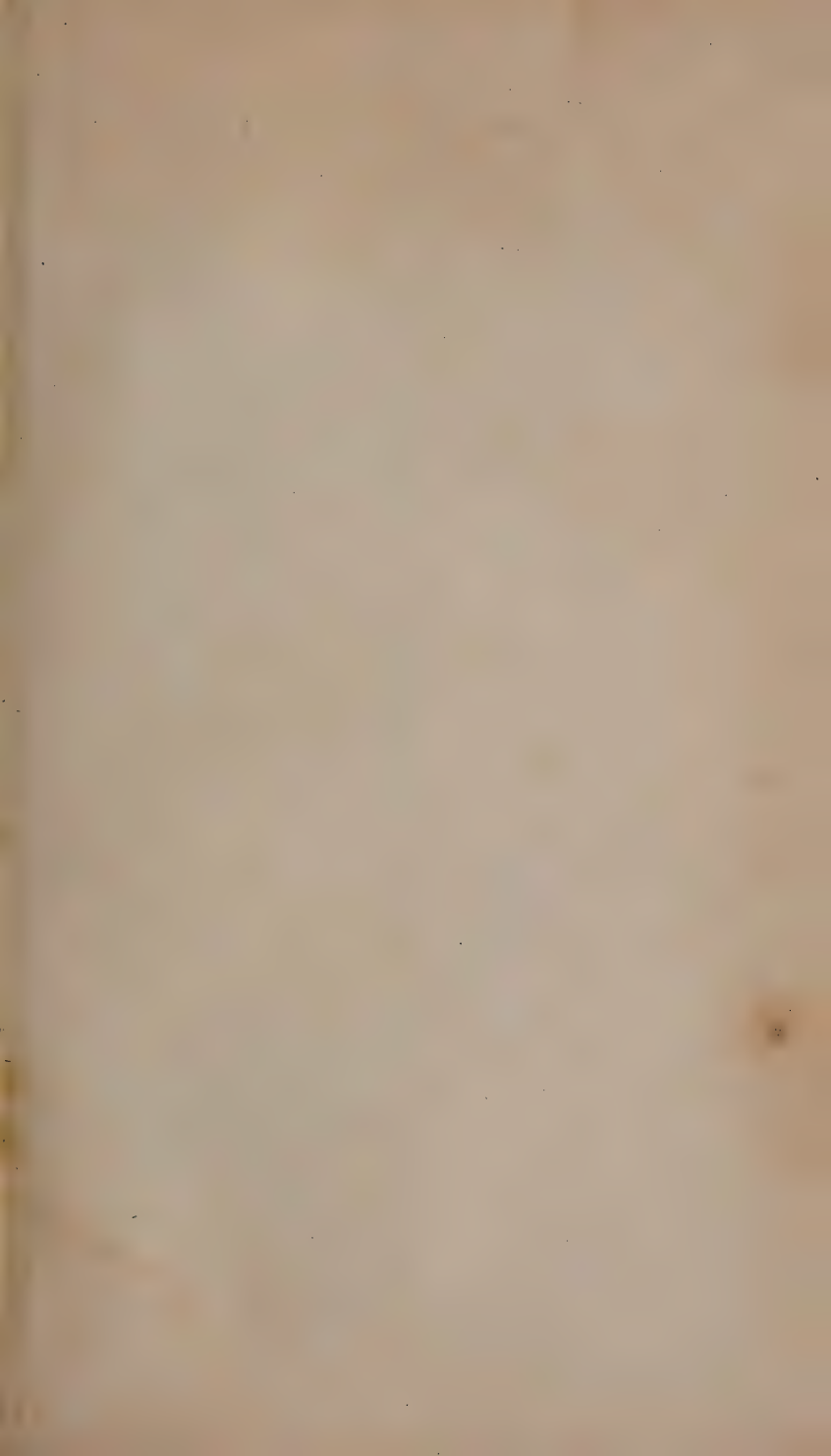
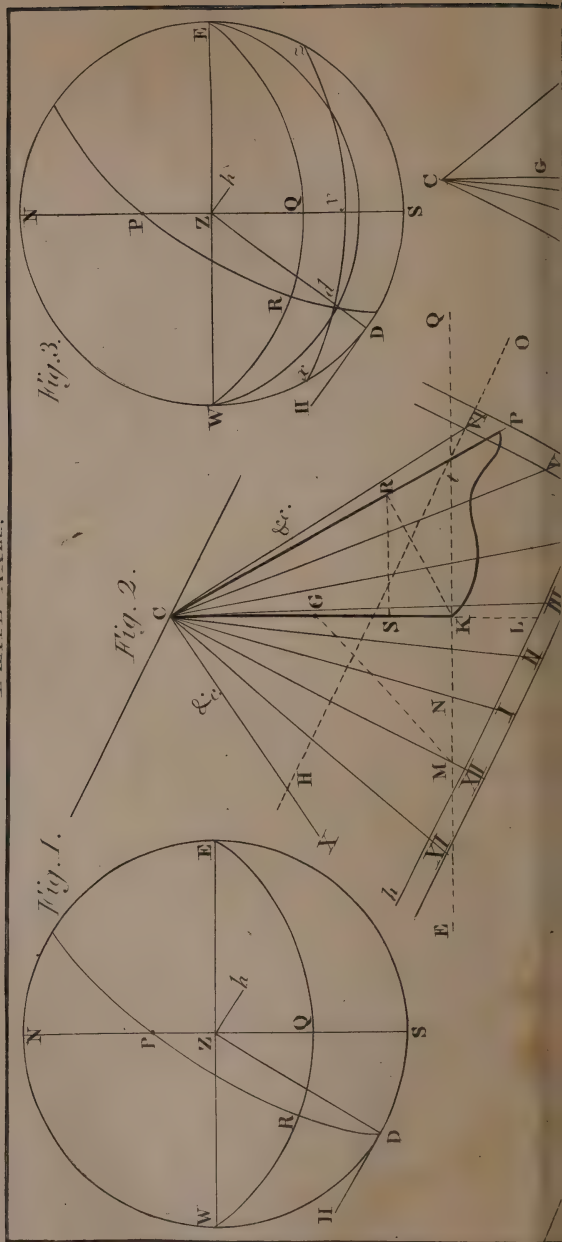


PLATE XXIII.



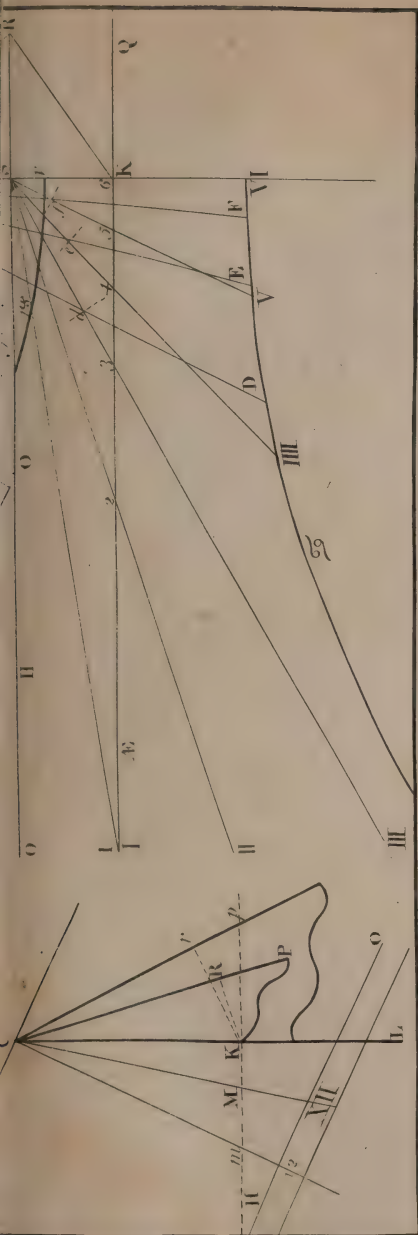


PLATE . I.

Sup.

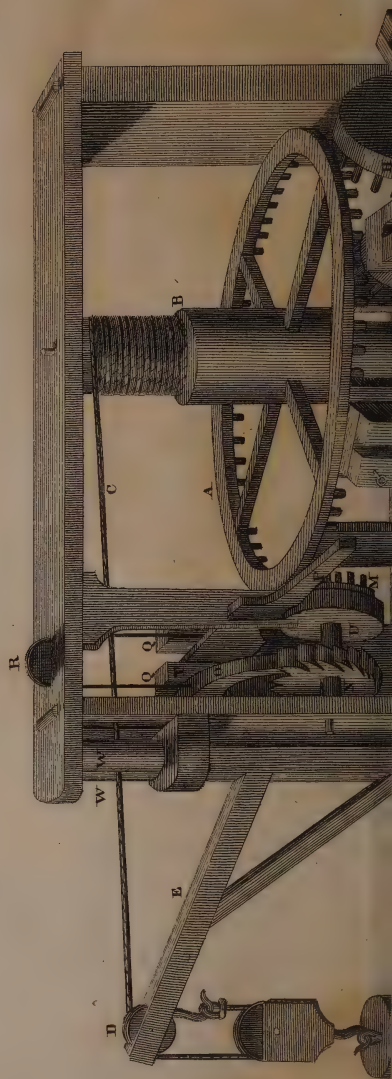


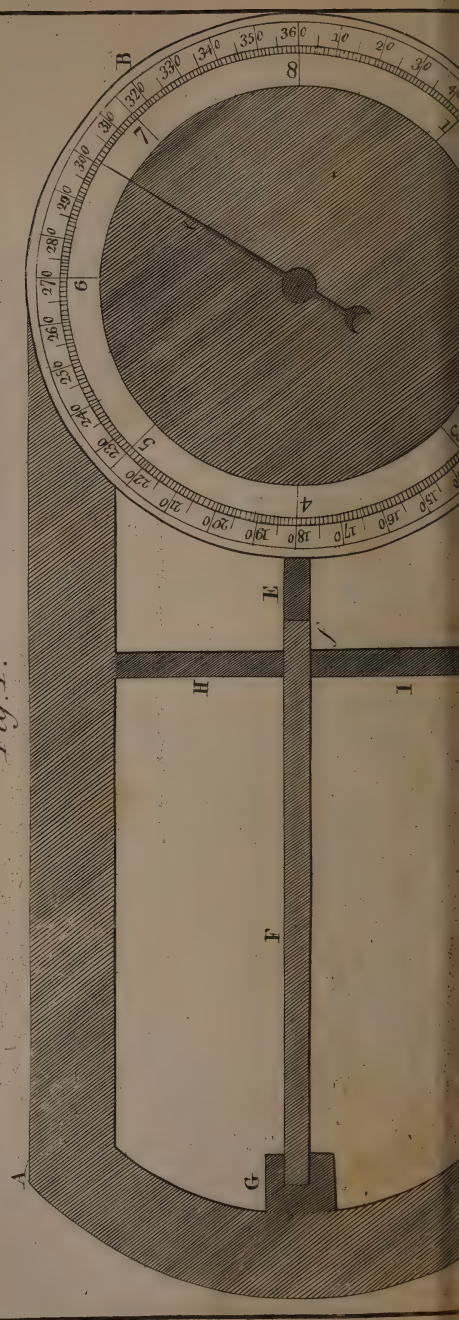


Plate 1. No. 1.

Sup.

PLATE II.

Fig. 1.



0.08 0.06 0.04 0.02 0.01 0.00

Fig. 2.

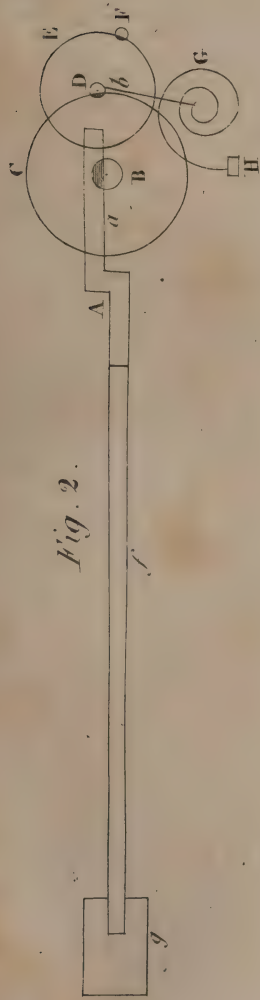
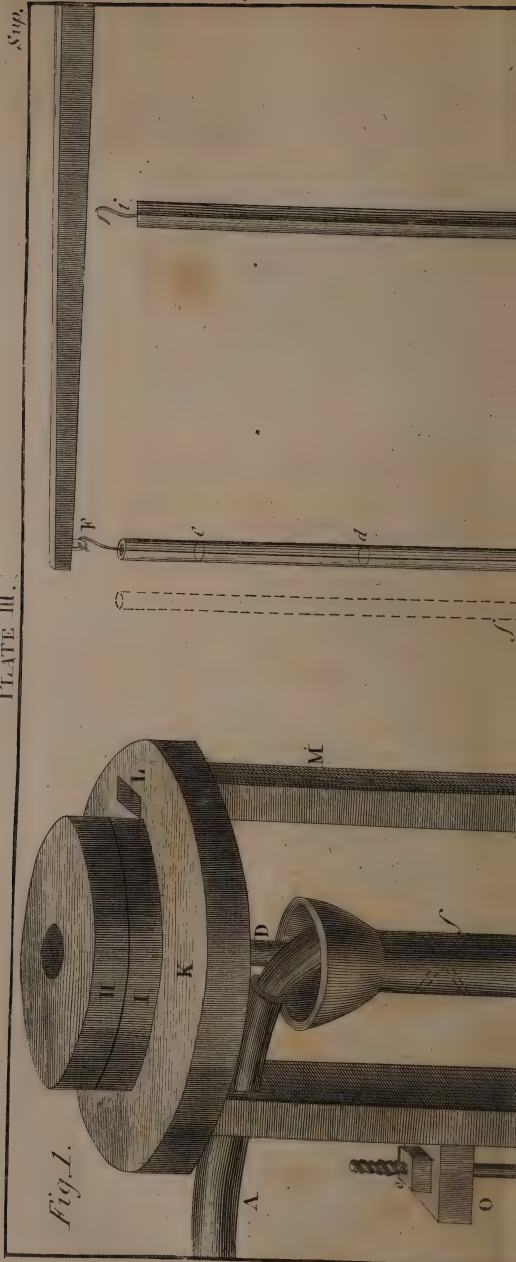
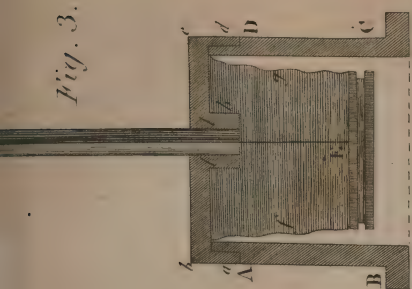
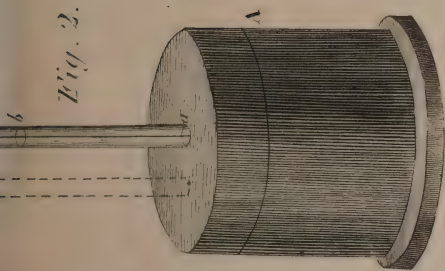
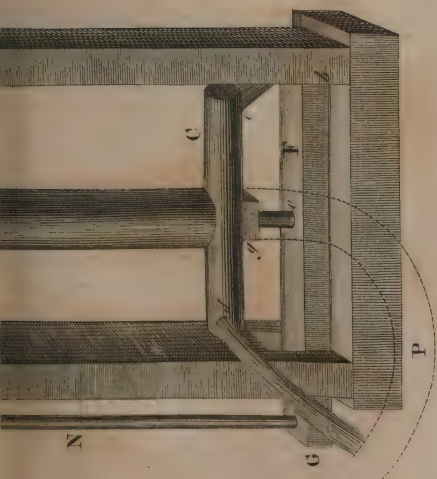


PLATE III.

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PLATE IV.

Fig. 2.

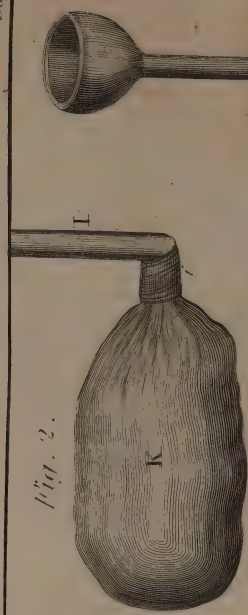


Fig. 4.

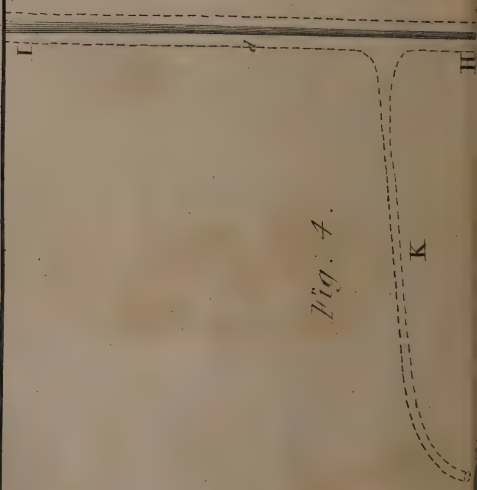
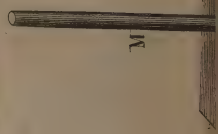
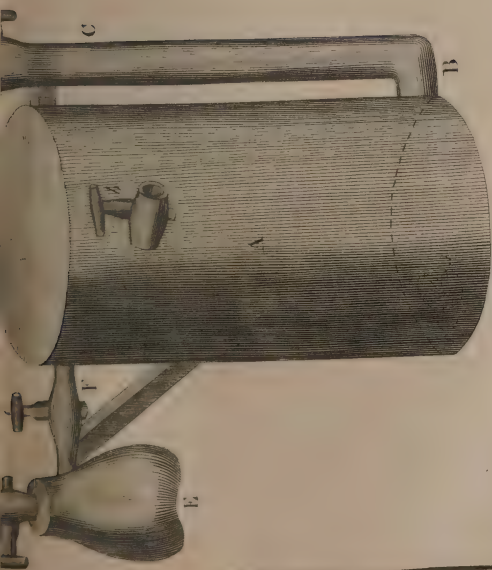
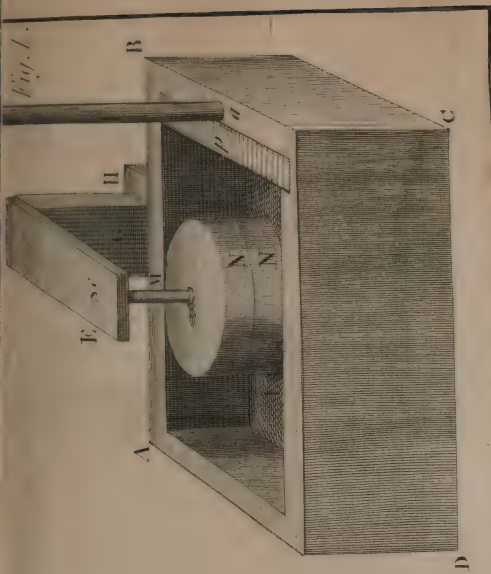


Fig. 3.







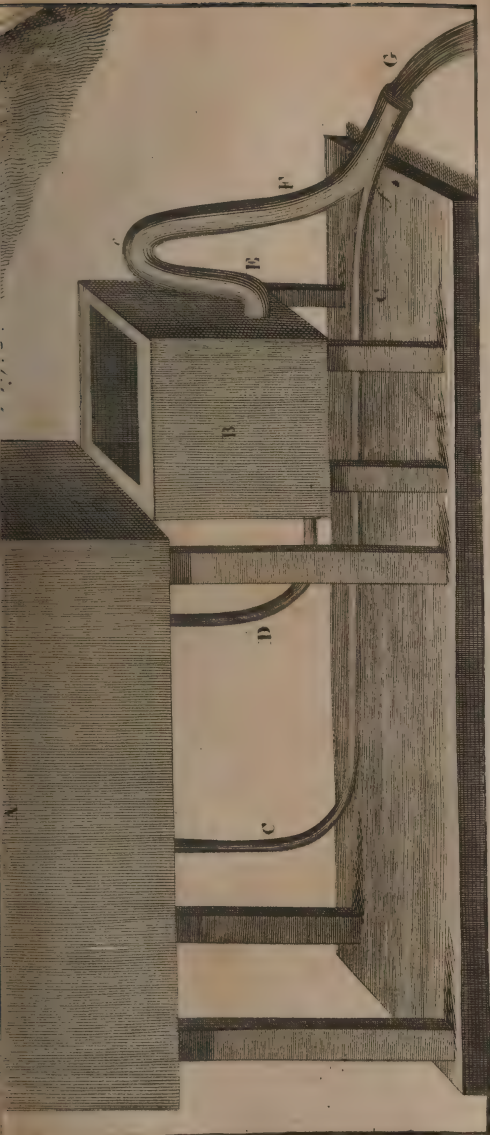


PLATE VI.

Step.

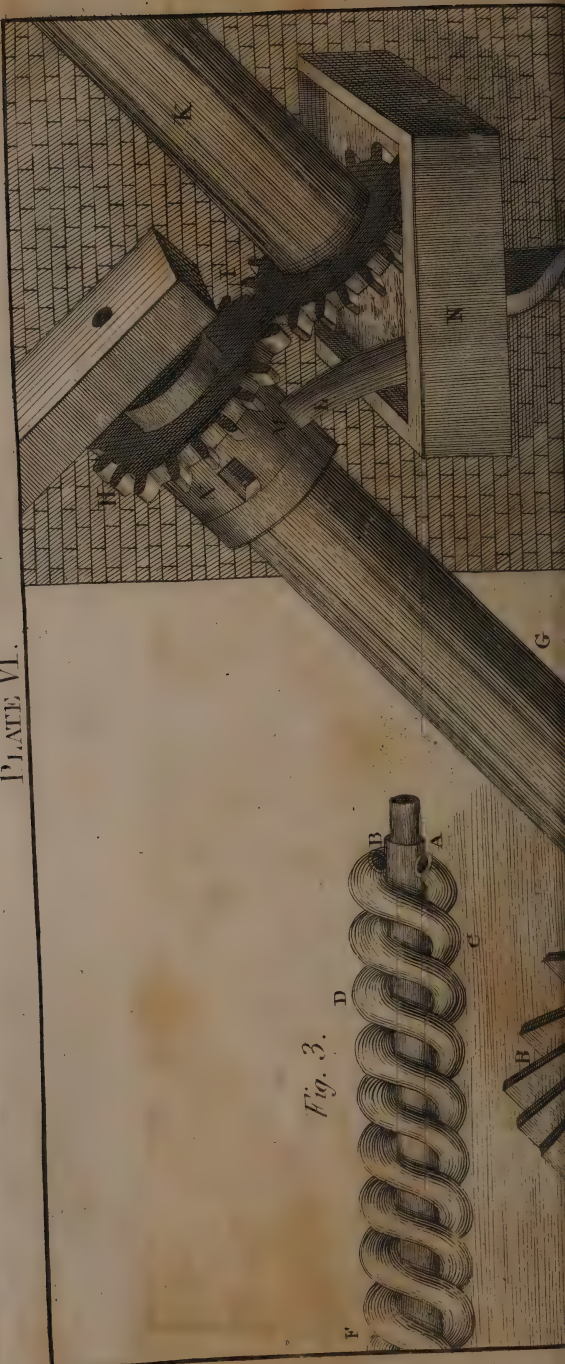


Fig. 3.

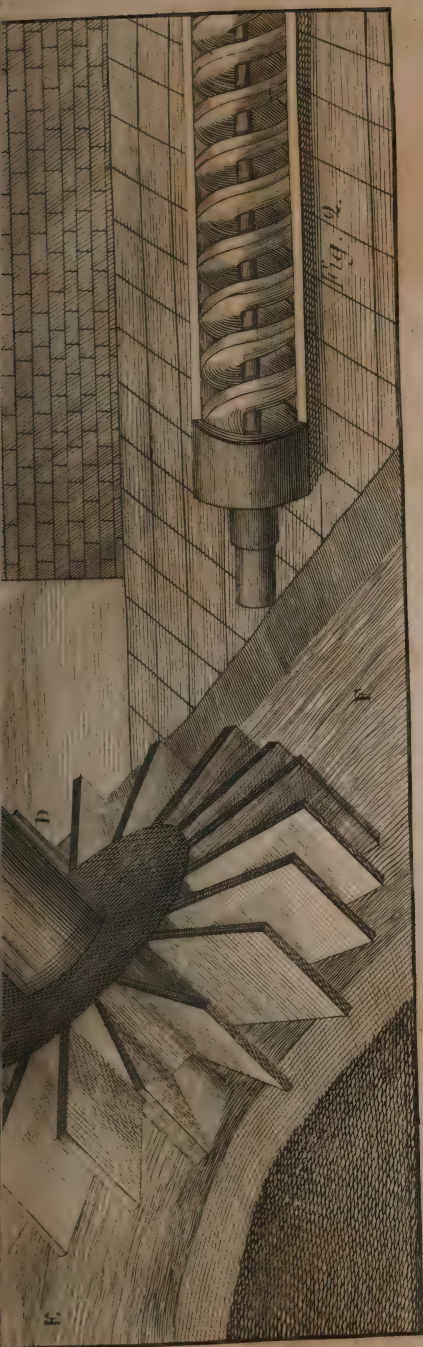
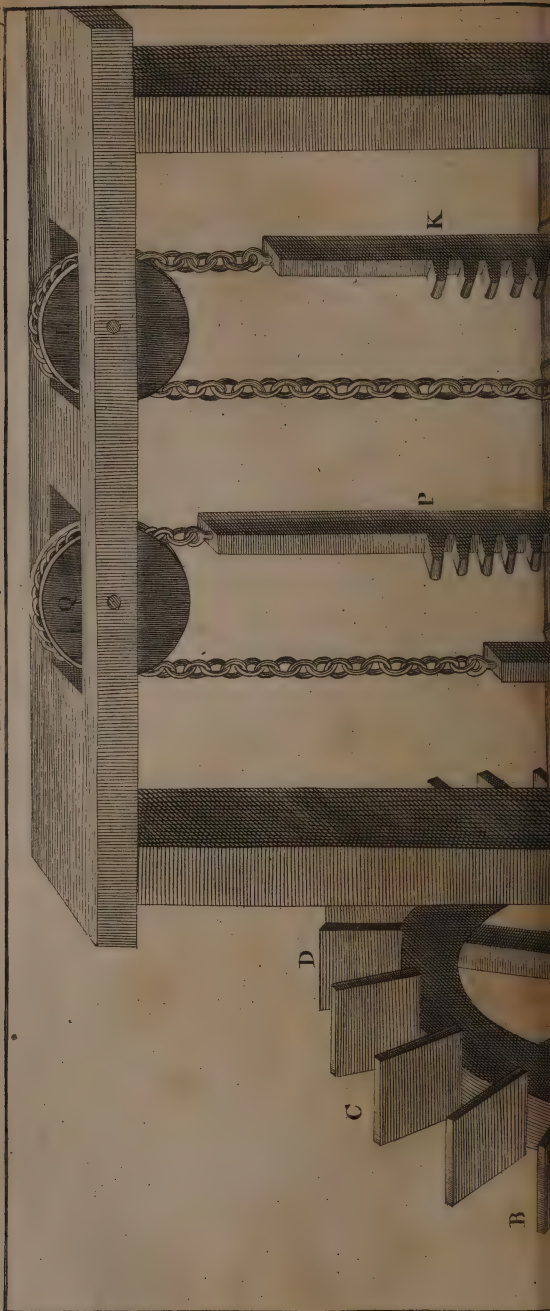


PLATE VII.

Sup.



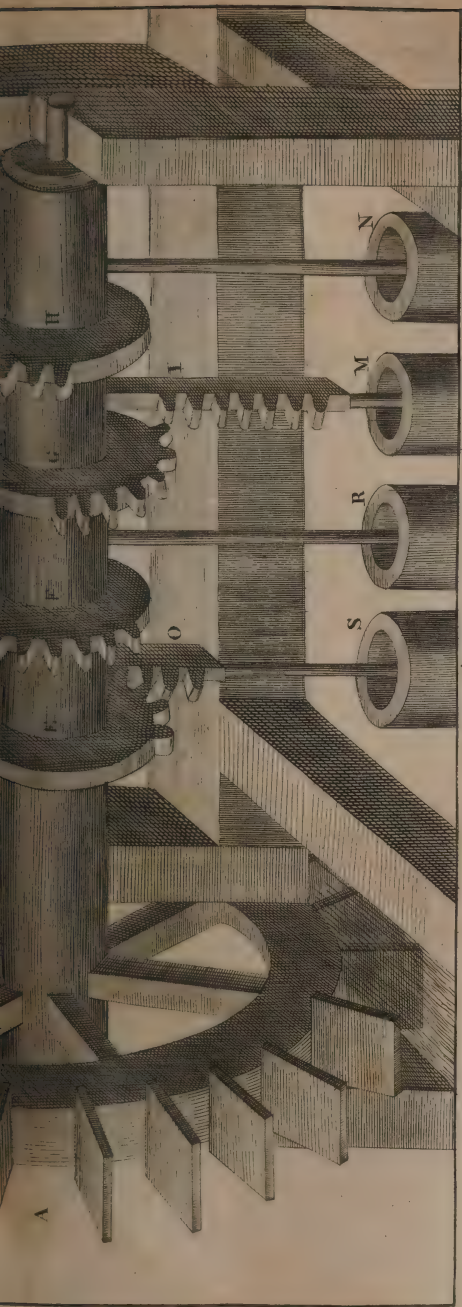
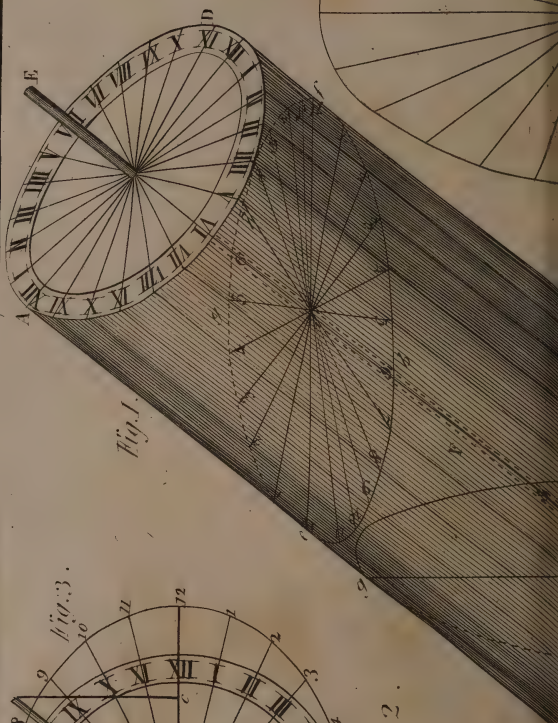
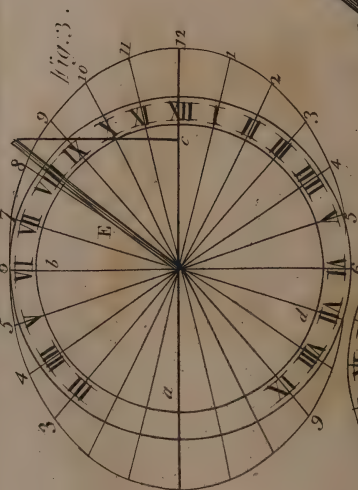
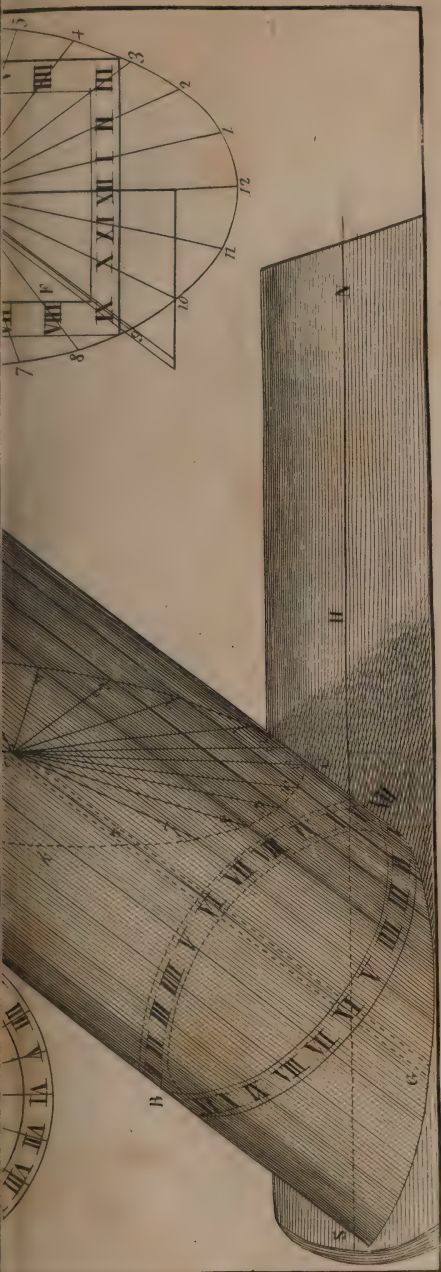
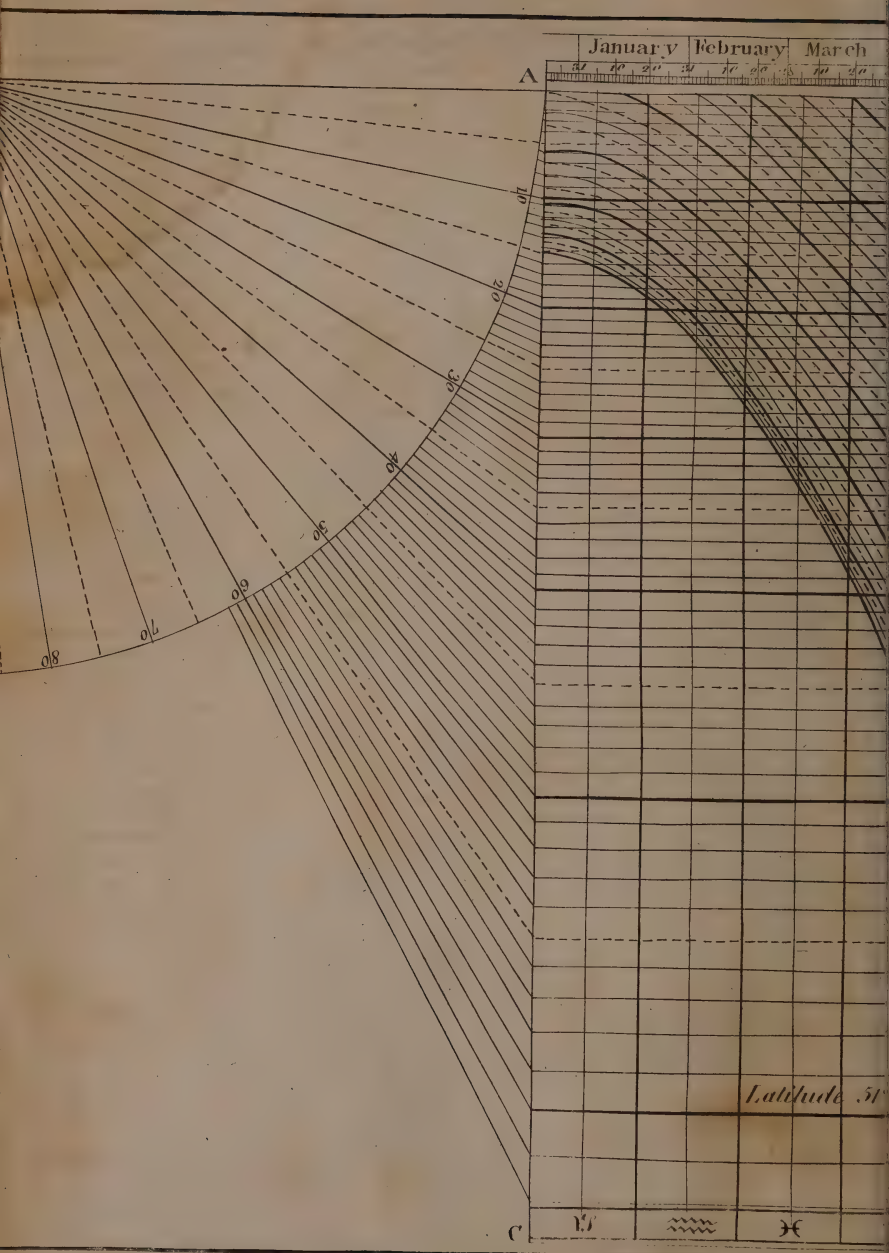


PLATE VIII.

Sup.







ATE IX.

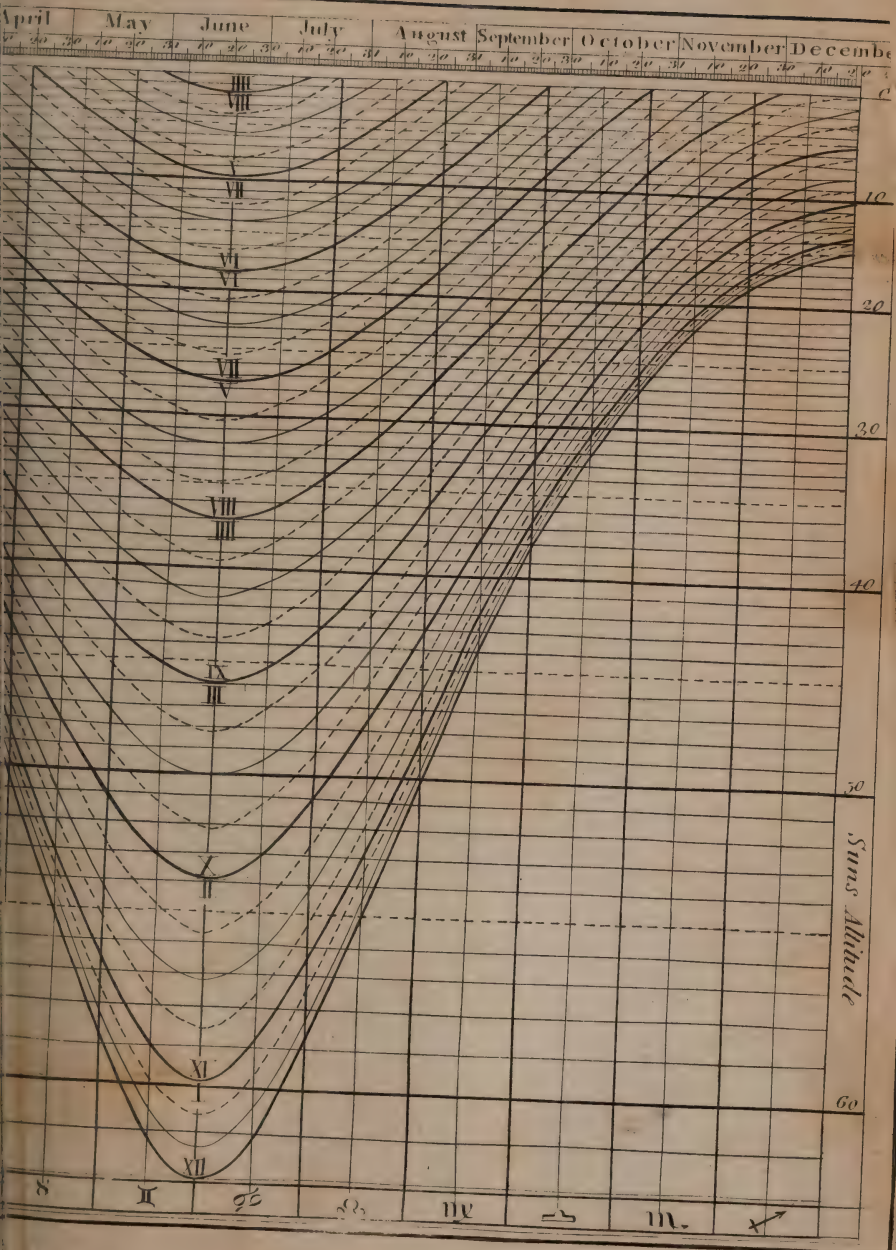






PLATE XI.

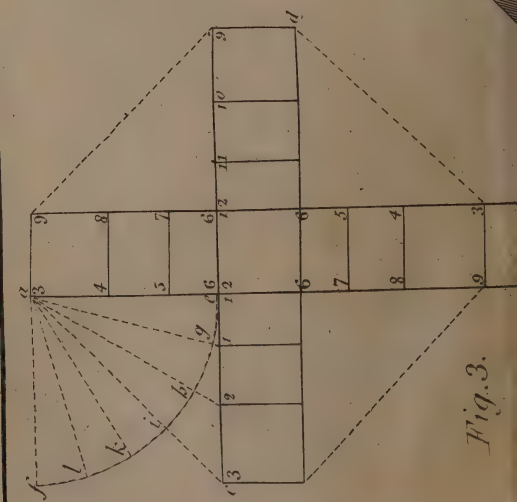


Fig. 3.

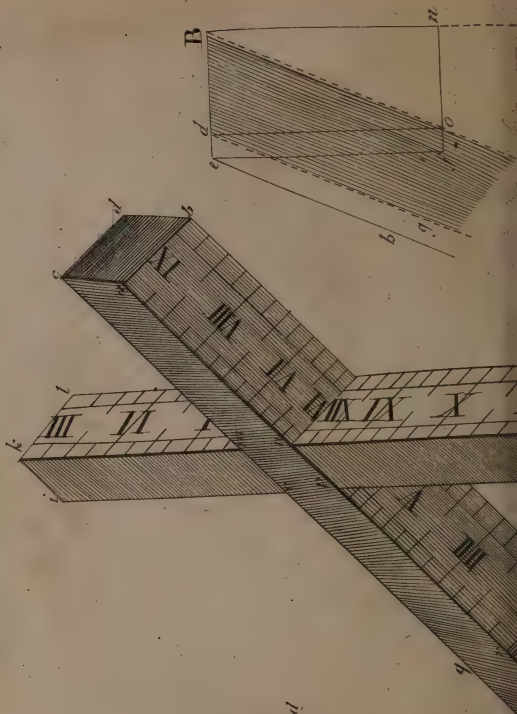
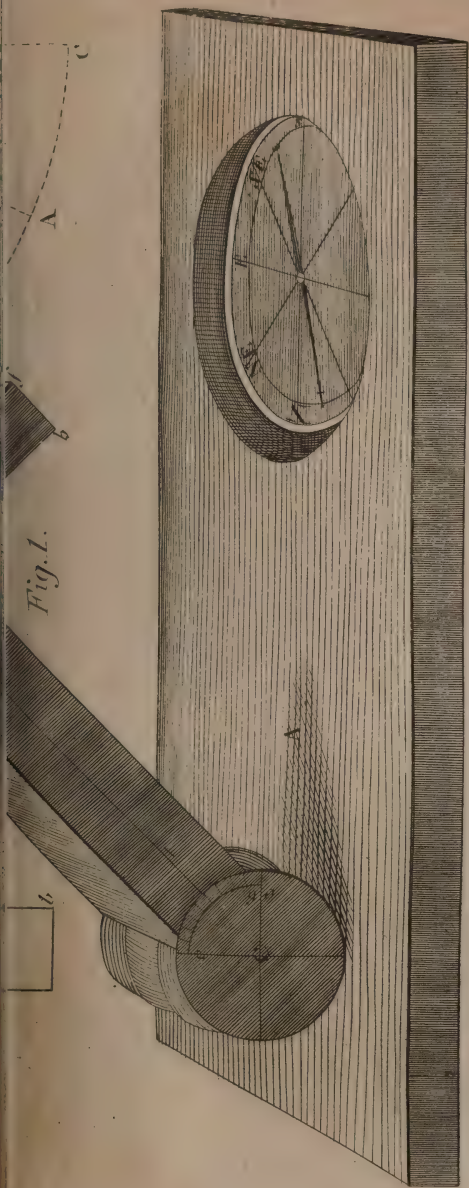
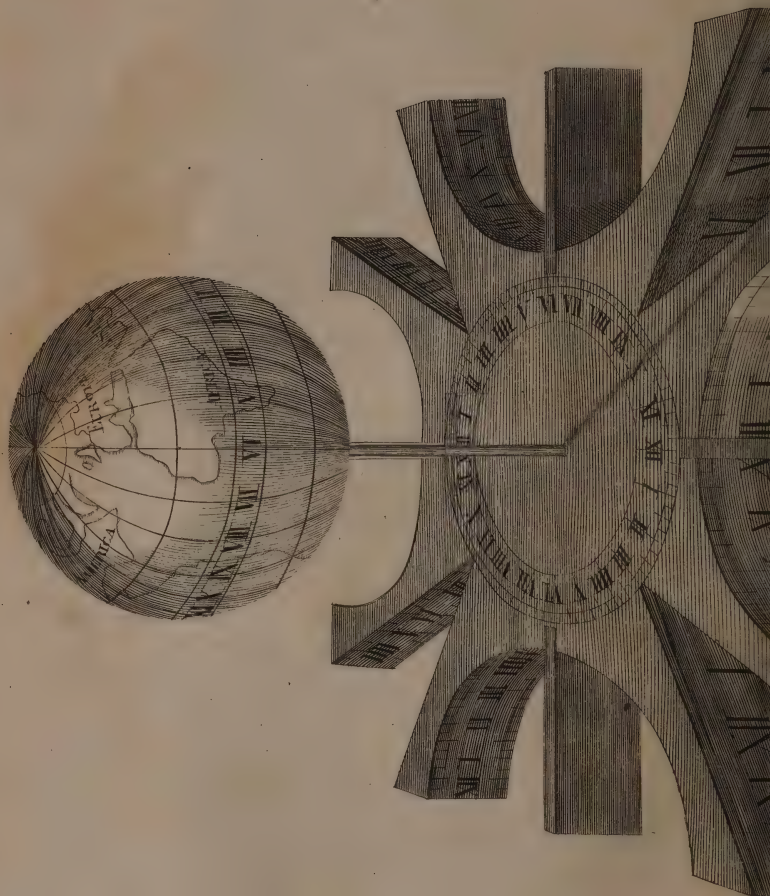


Fig. 1.





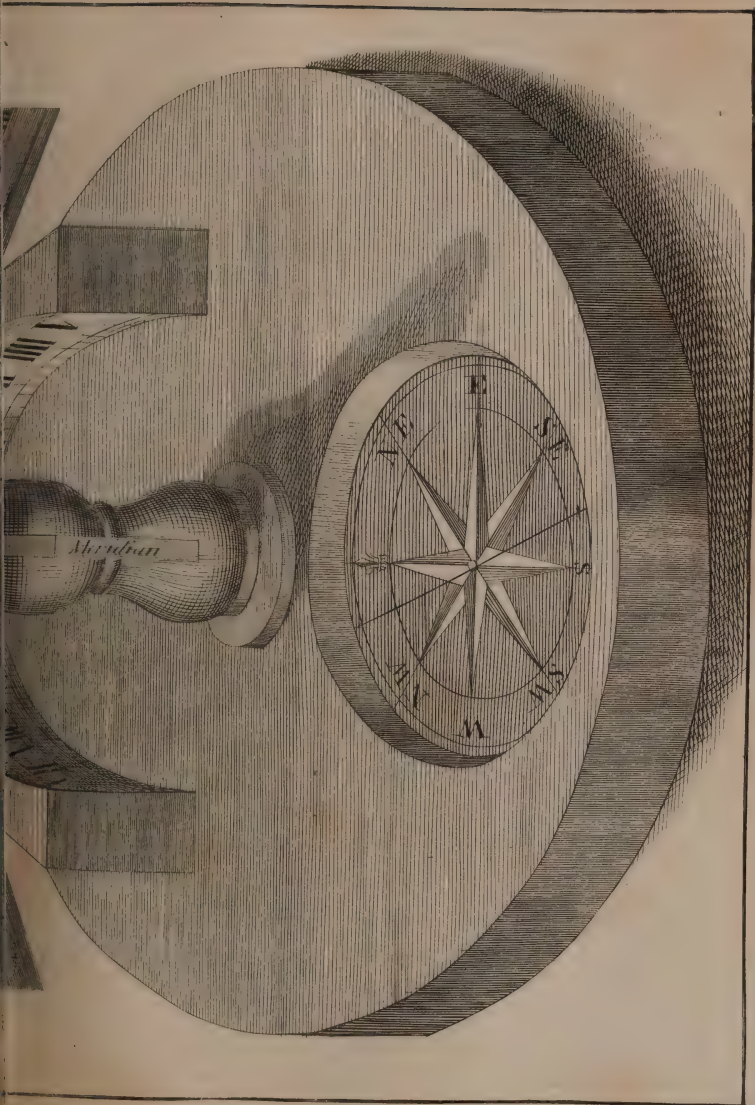
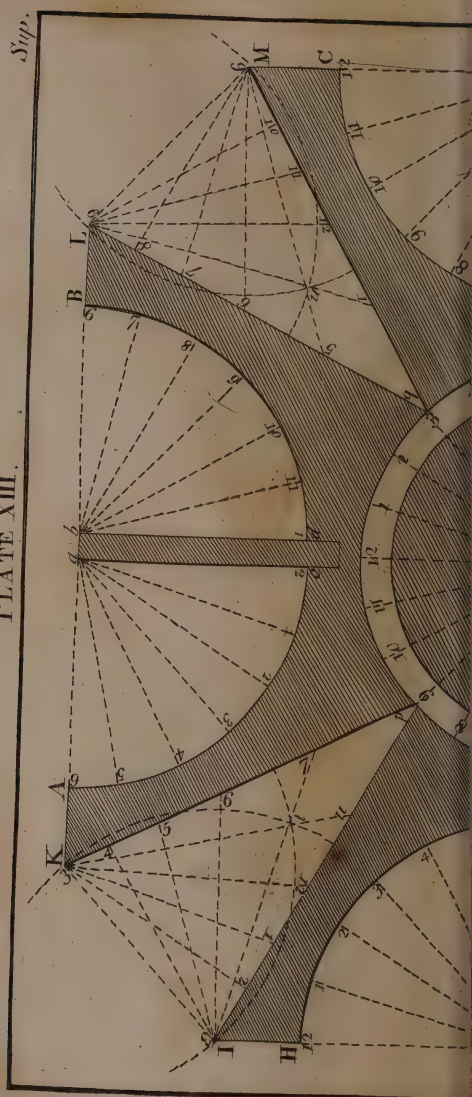




PLATE XIII.

Sup.



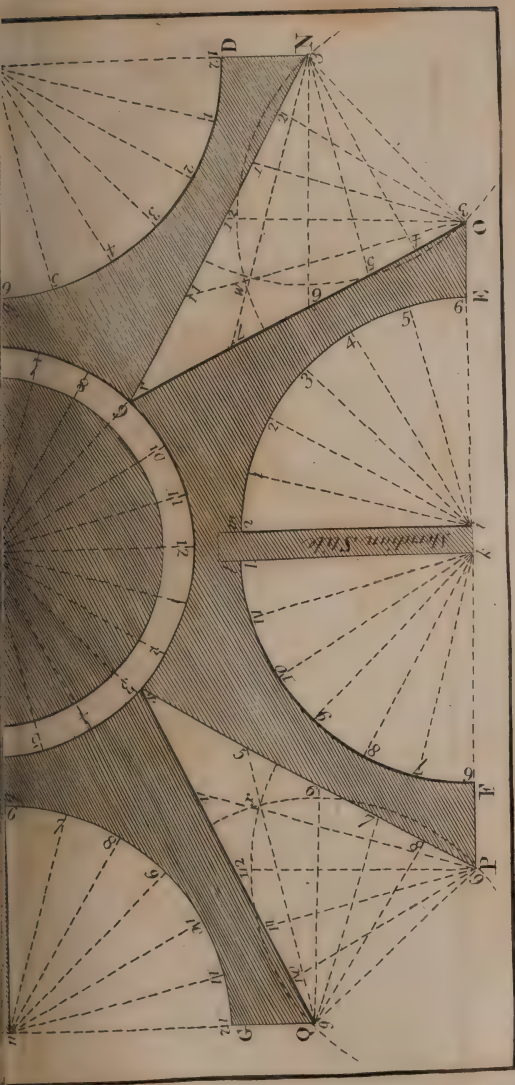


Fig. 2.

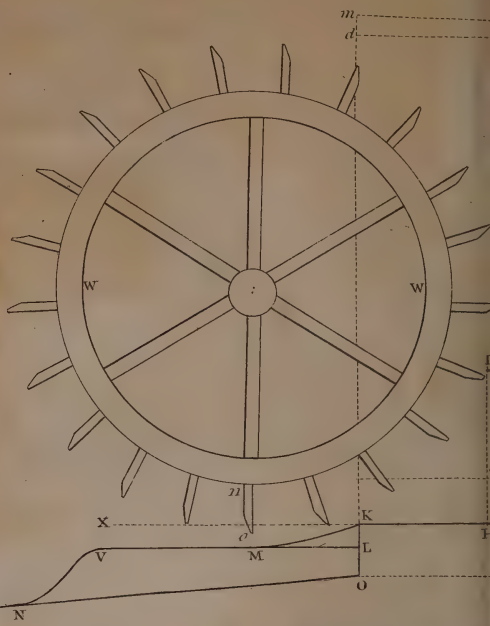
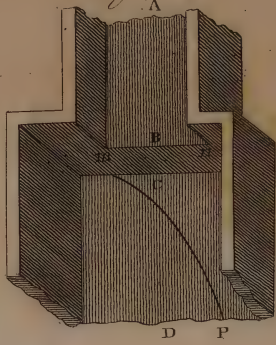
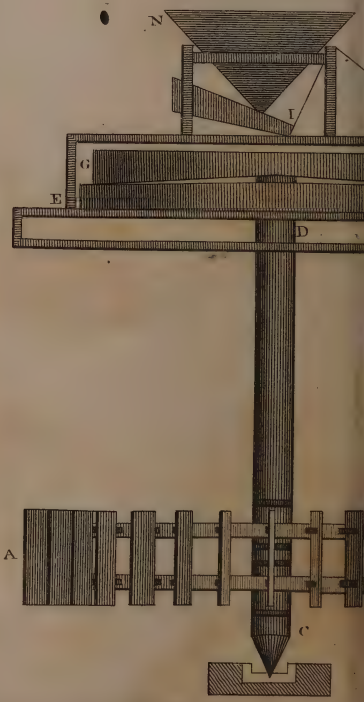
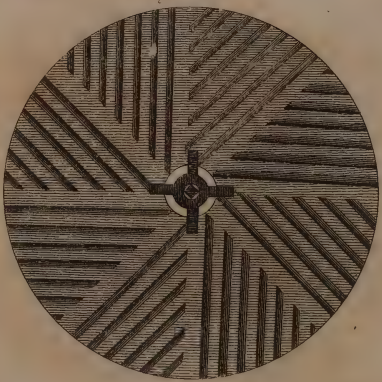
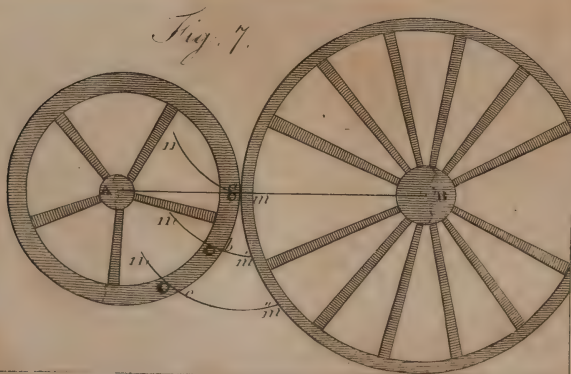
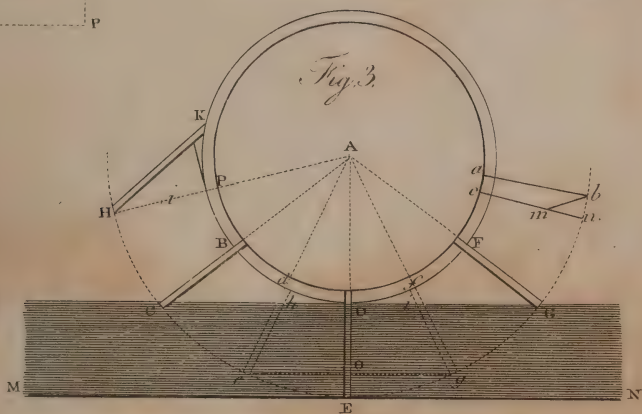
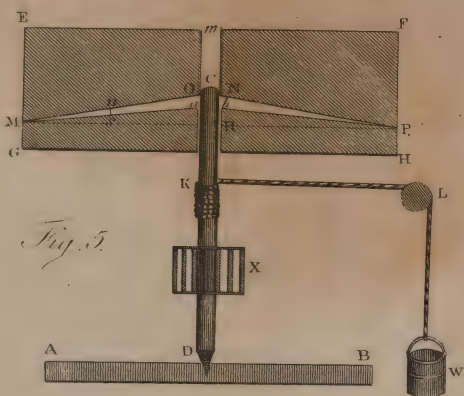


Fig. 4.





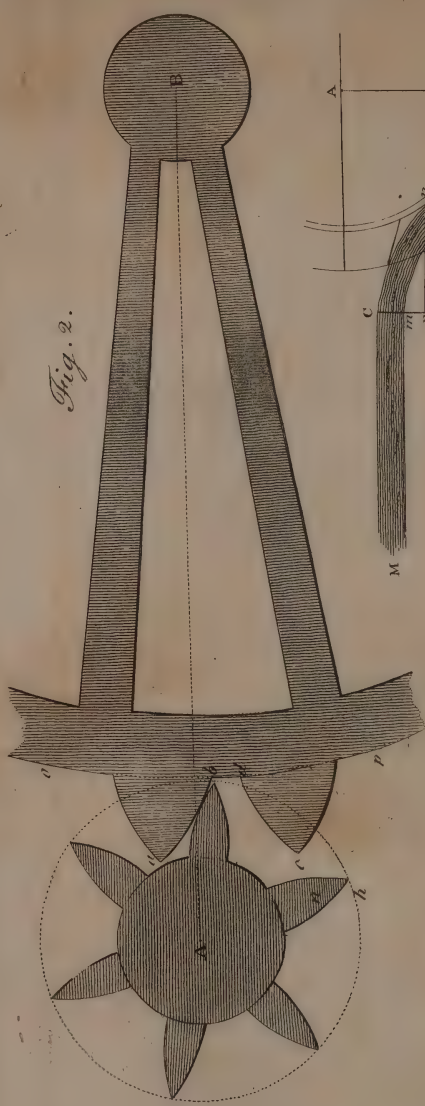


Fig. 2.

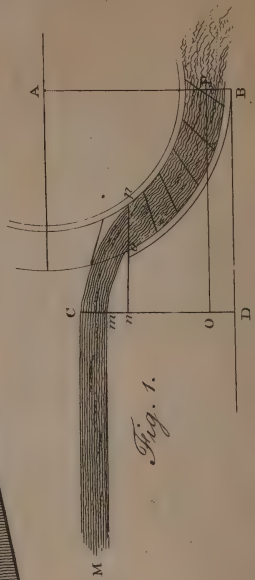


Fig. 1.

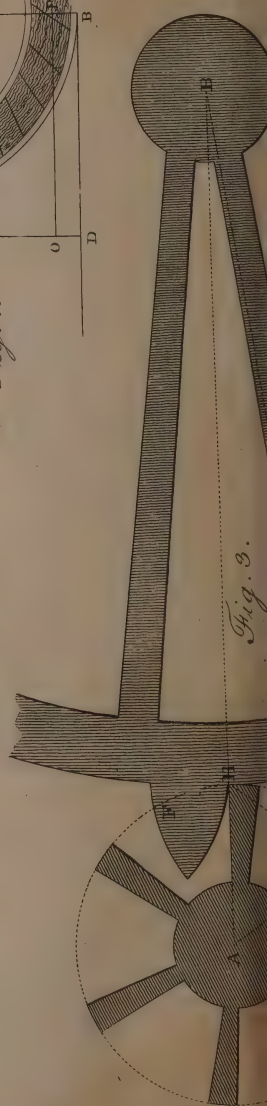
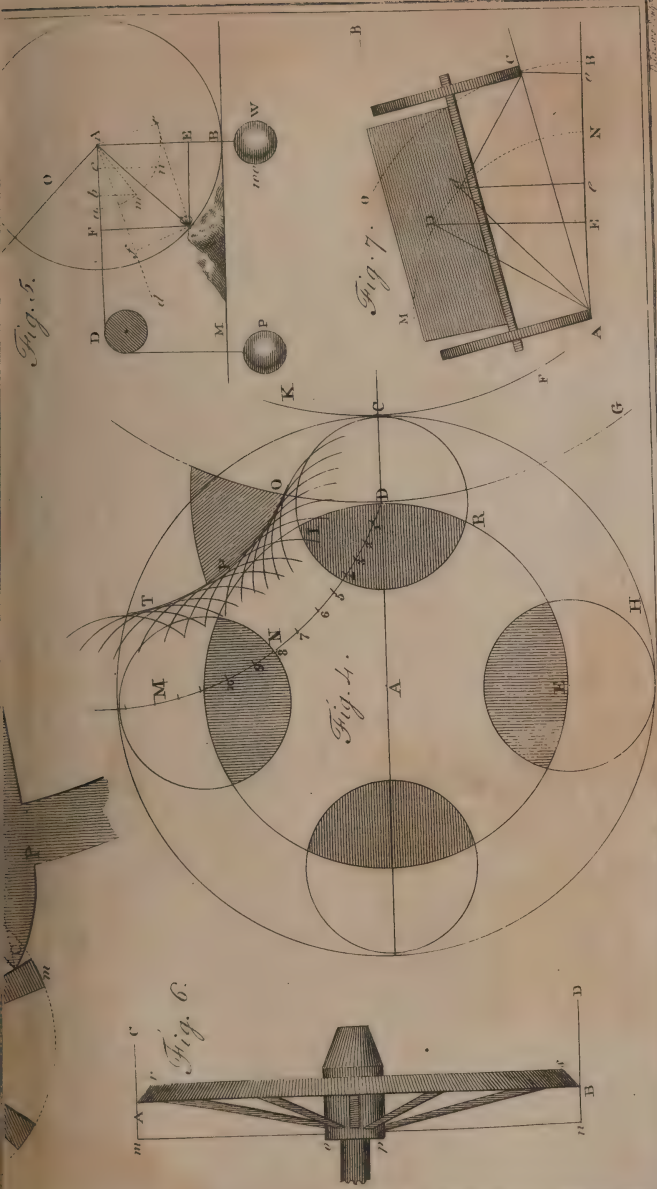


Fig. 3.



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Fig. 1.

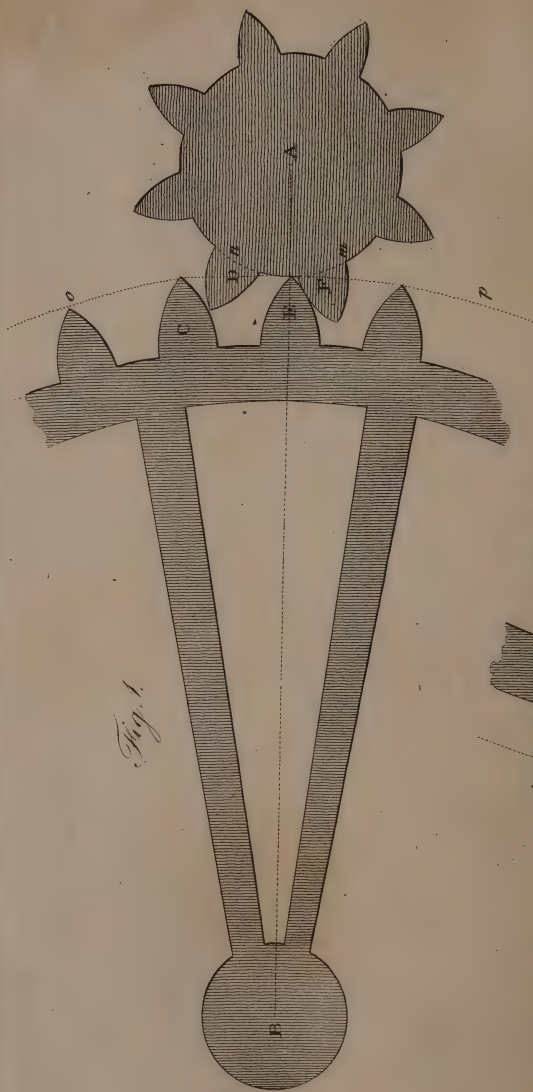
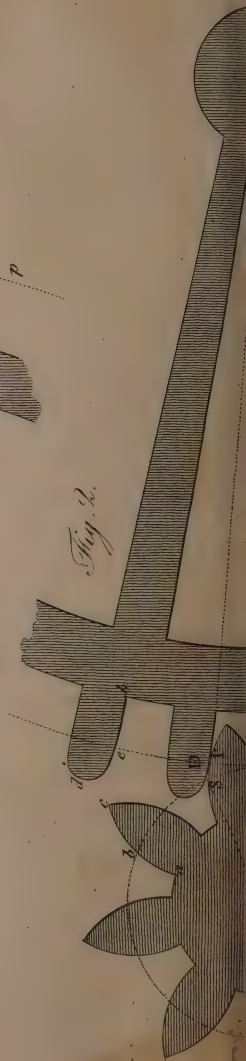
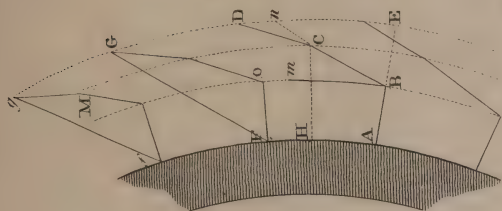
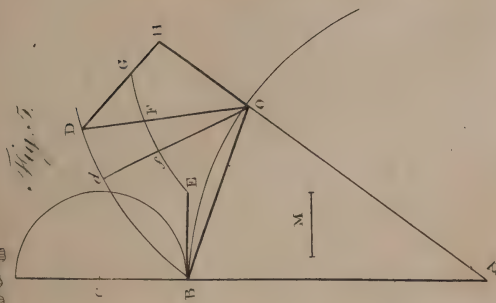
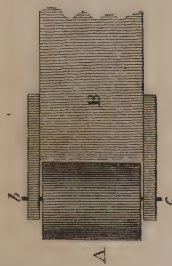
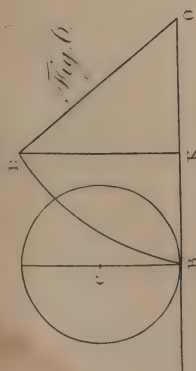


Fig. 2.





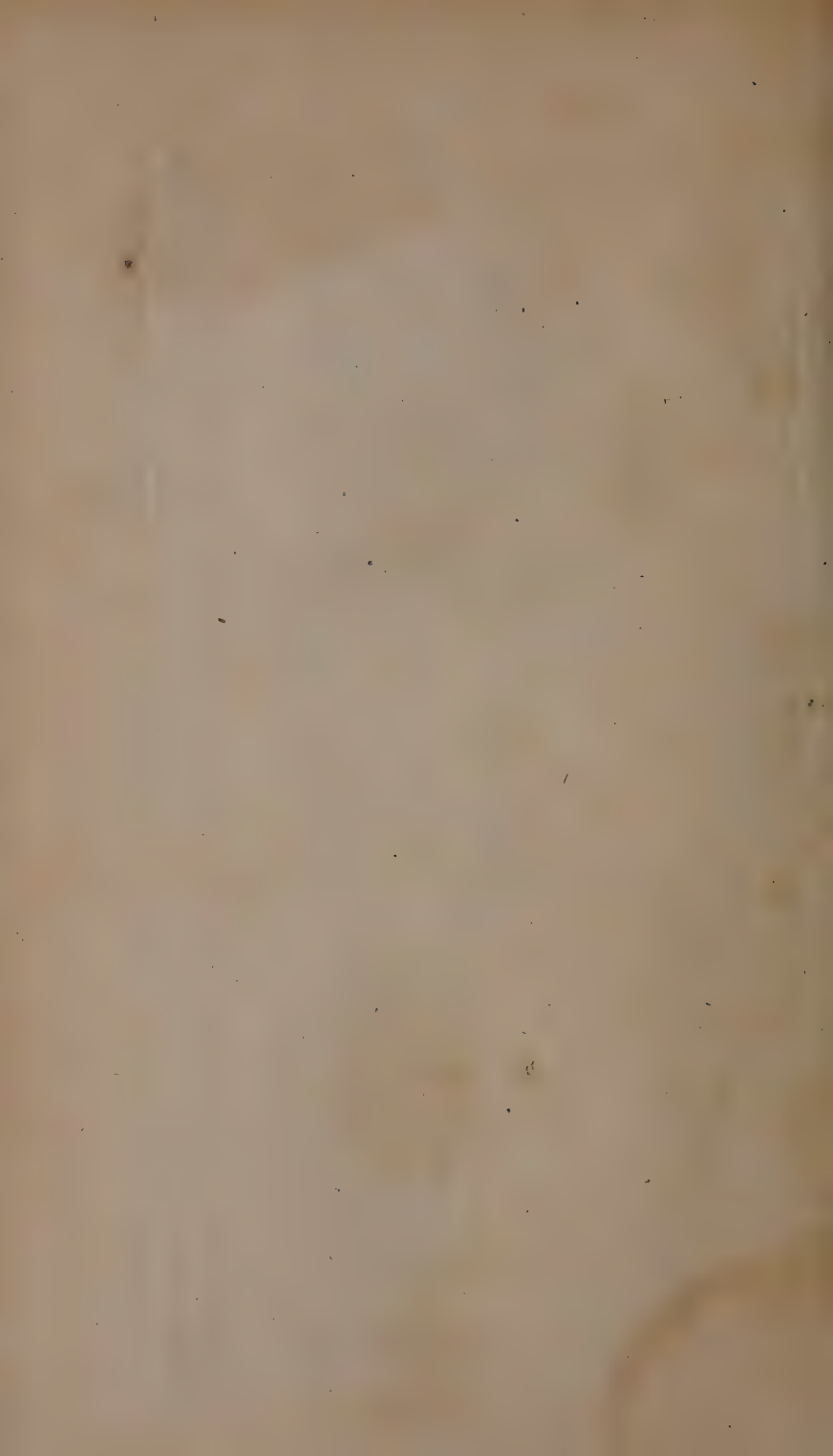


PLATE IV.

Fig. 1.



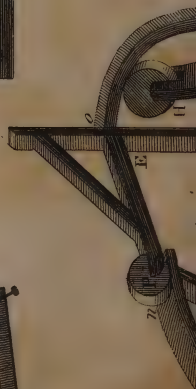
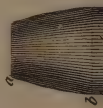
Fig. 2.

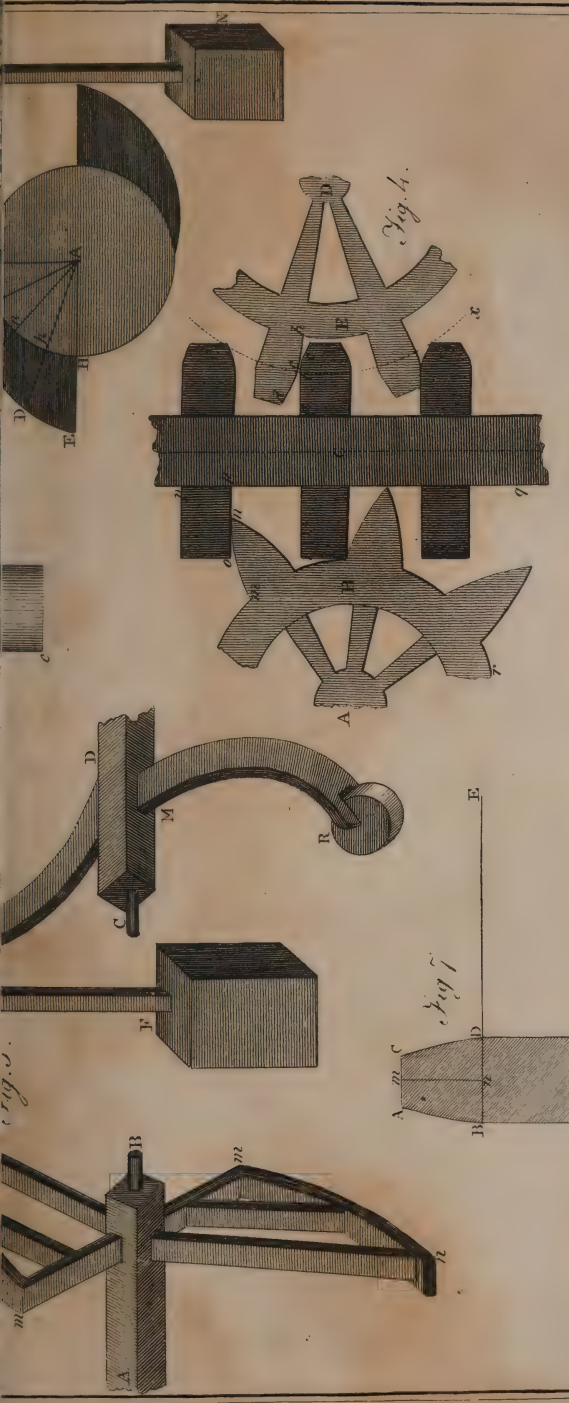


Fig. 3.



Fig. 5.





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PLATE V.

Fig. 1.

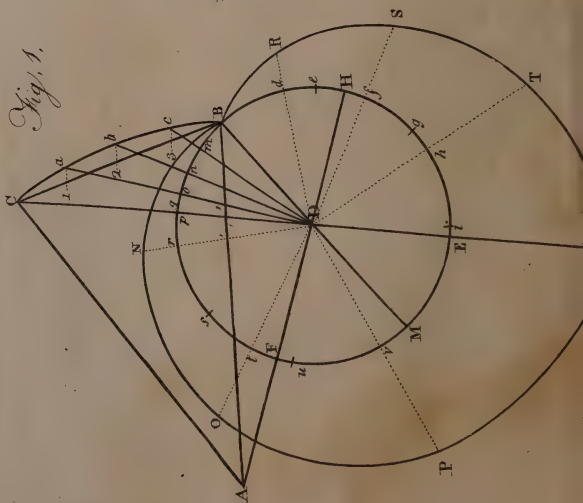


Fig. 2.

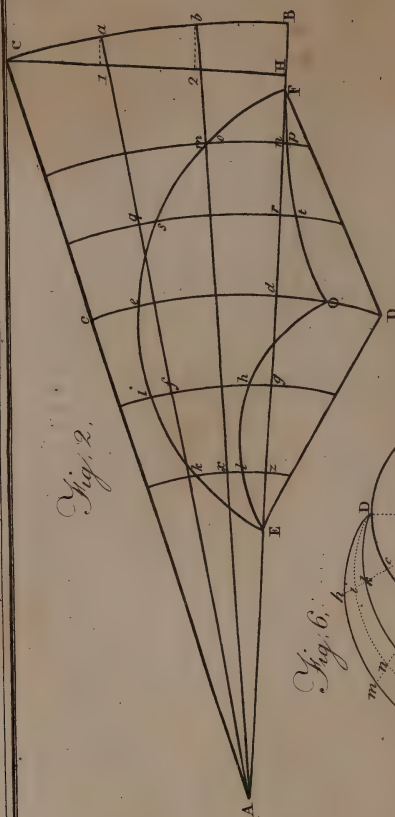


Fig. 3.

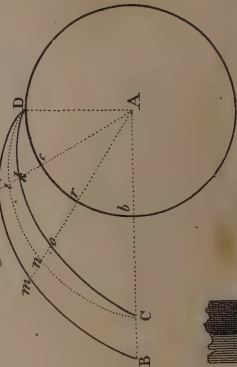
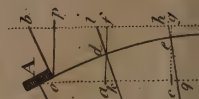
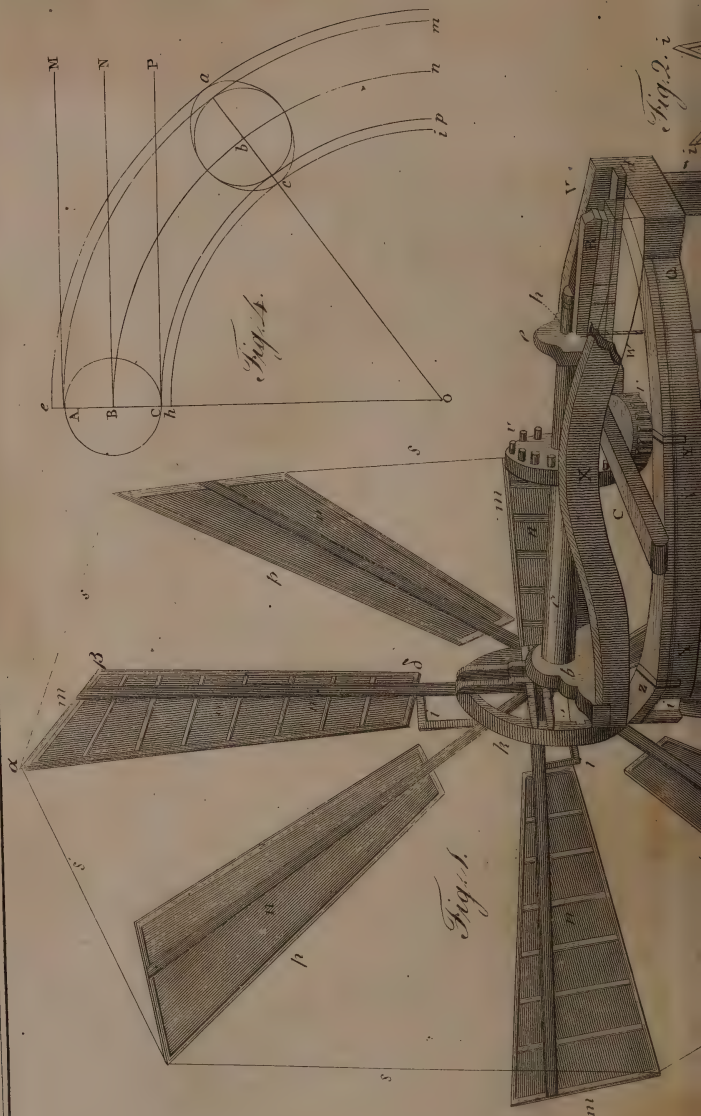


Fig. 4.





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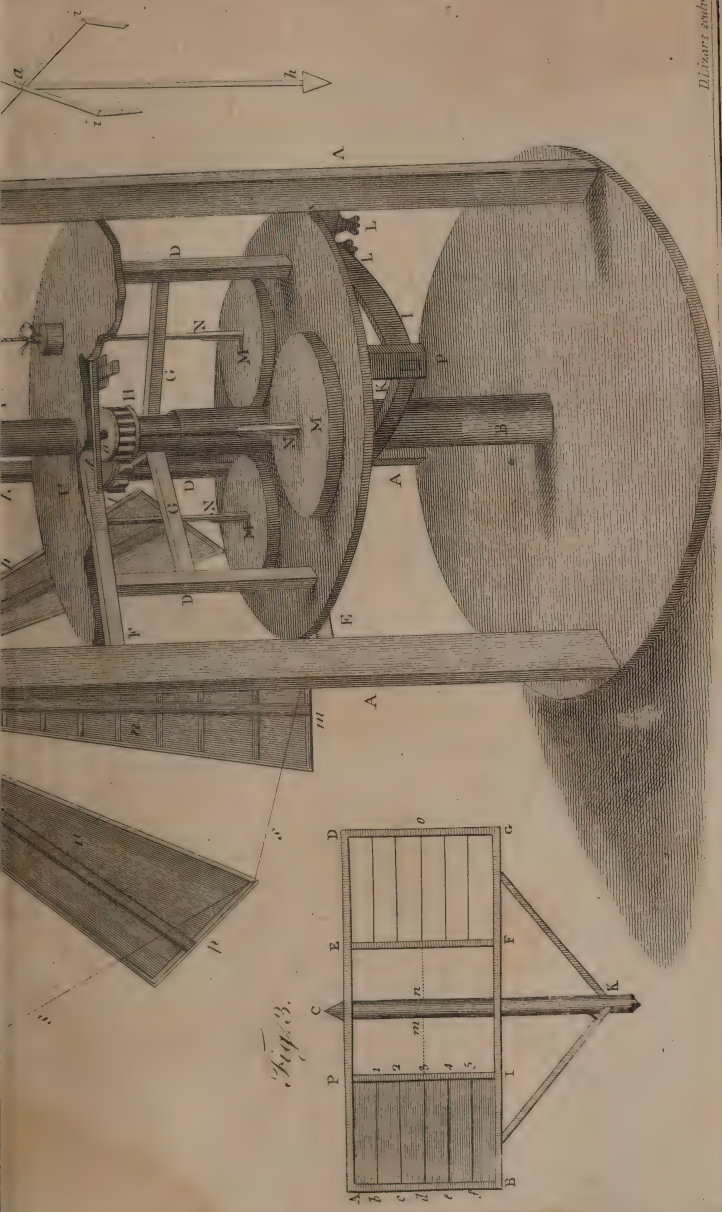


Fig. 3.

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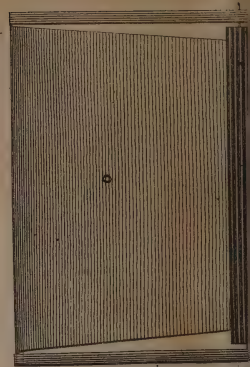
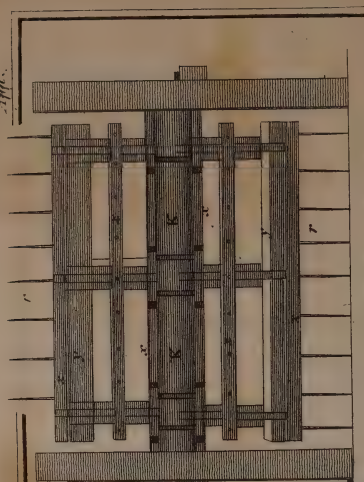


Fig. 2.

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PLATE VII.

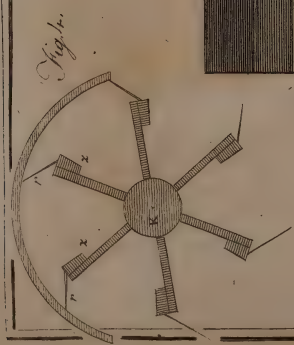


Fig. 3.

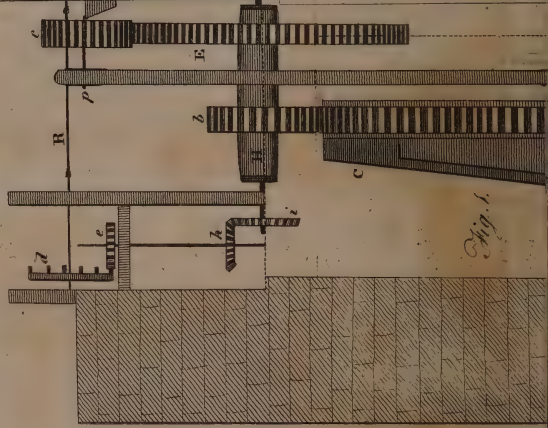


Fig. 4.



A

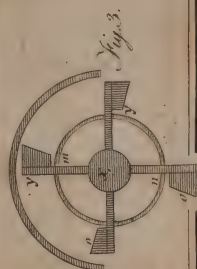
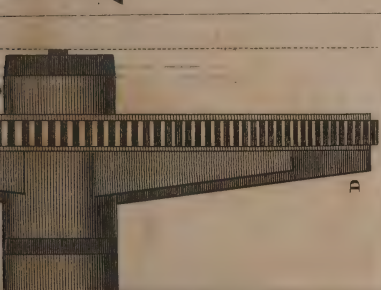
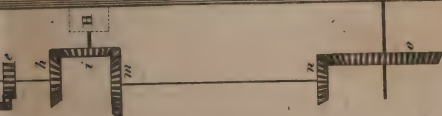
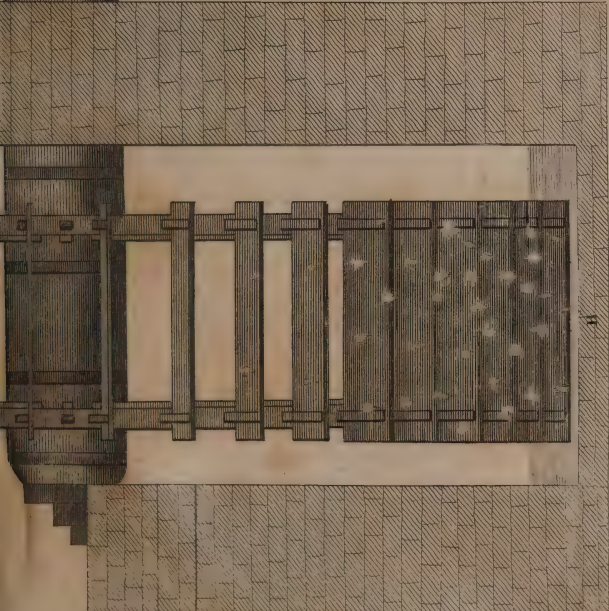


Fig. 3.



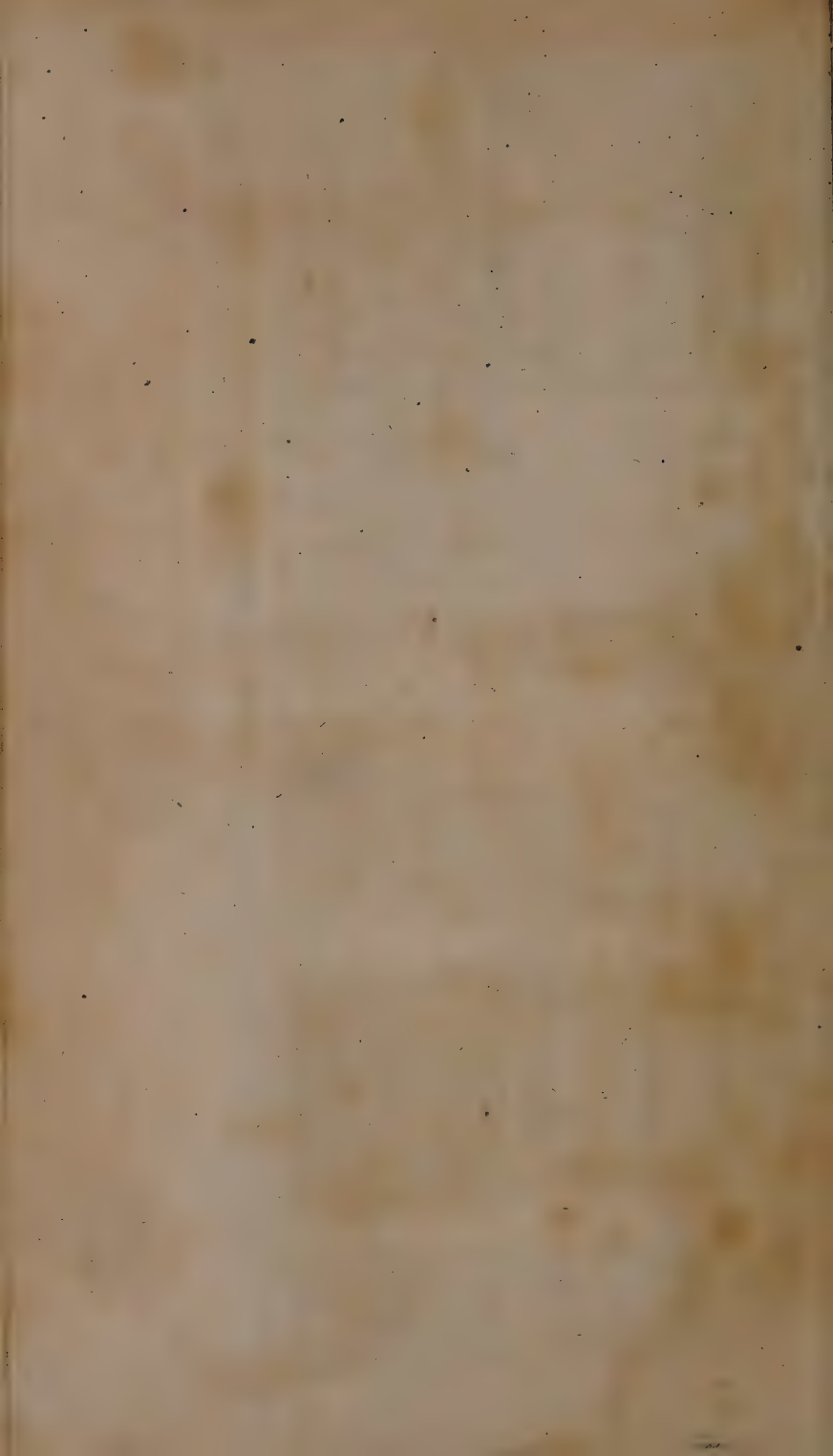




Fig. 2.

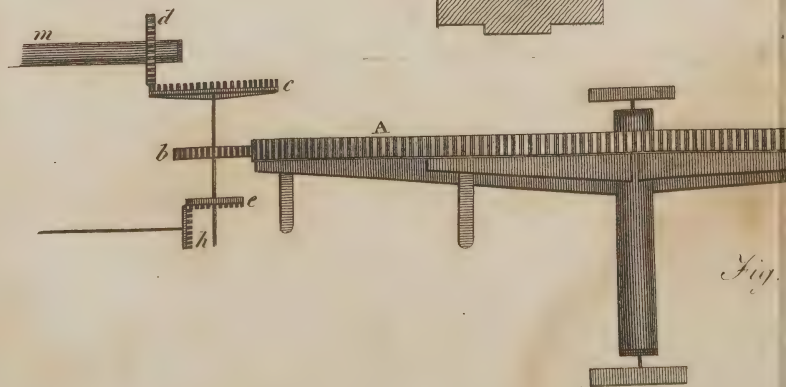
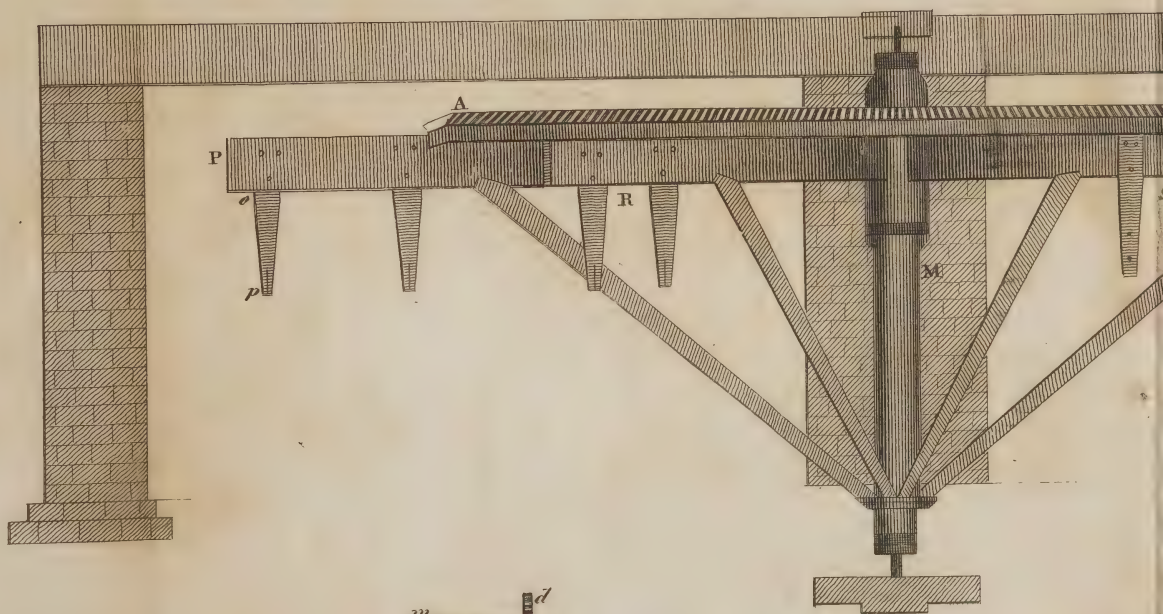
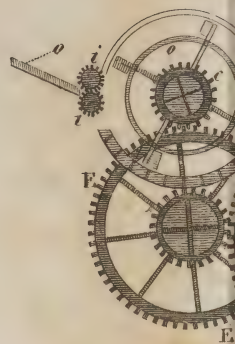
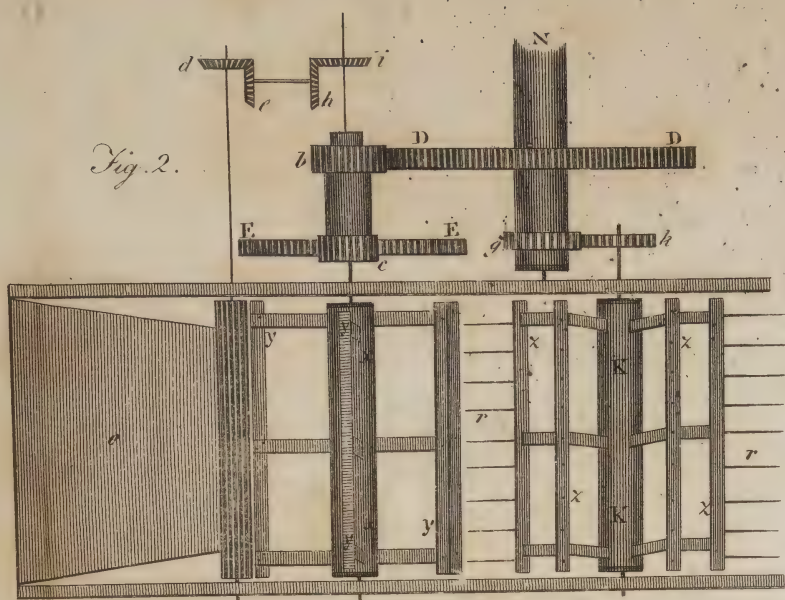


Fig.

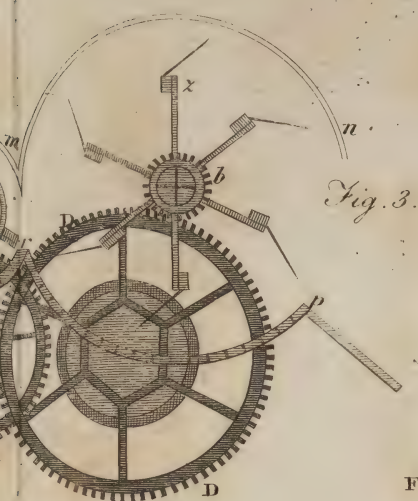


Fig. 3.

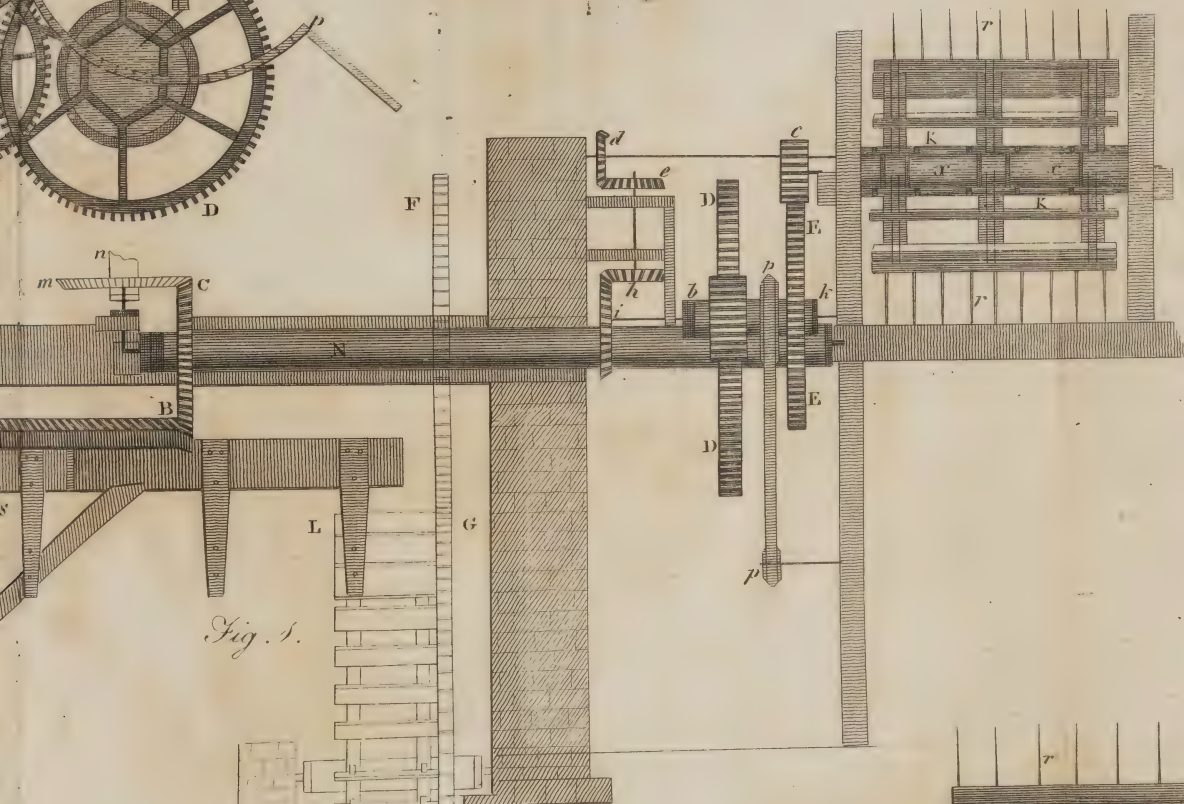


Fig. 1.

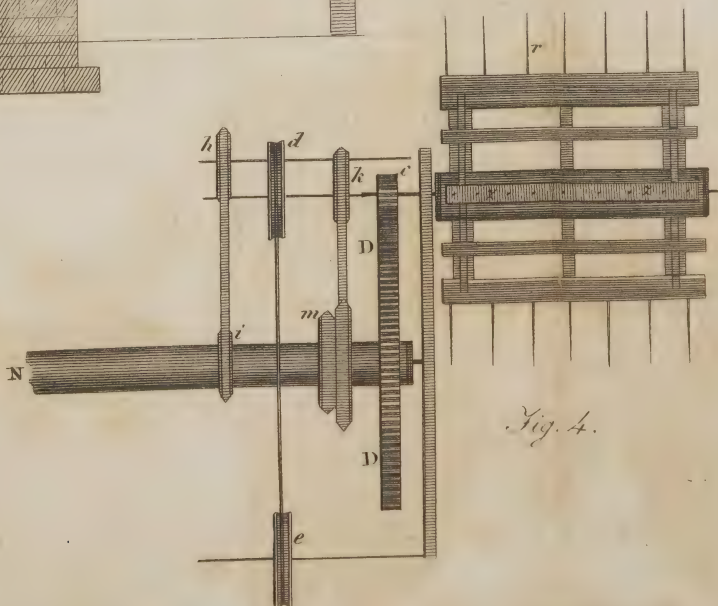
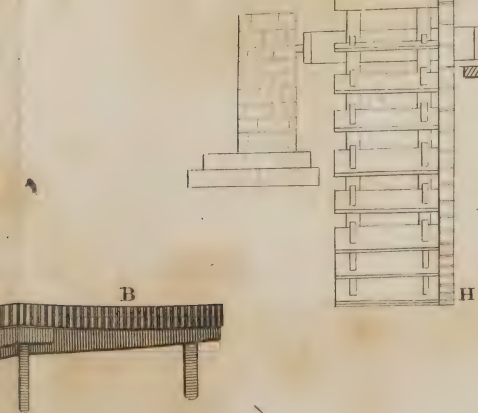
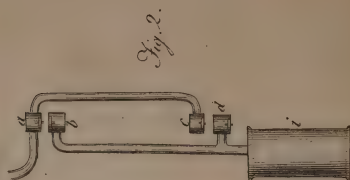
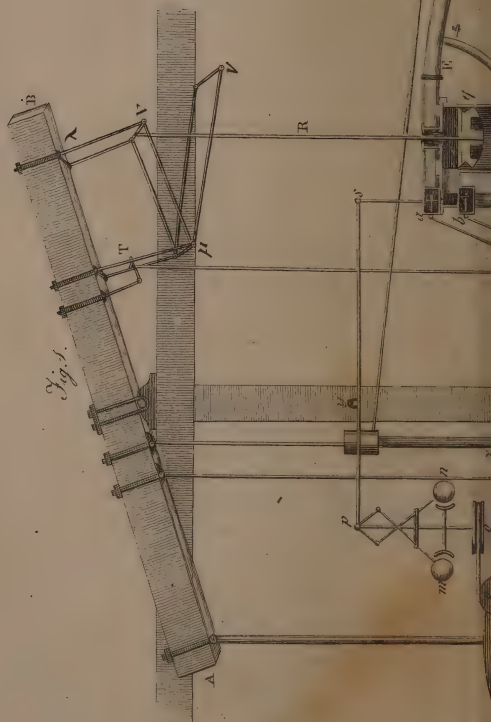


Fig. 4.







A New Fluid Microscope

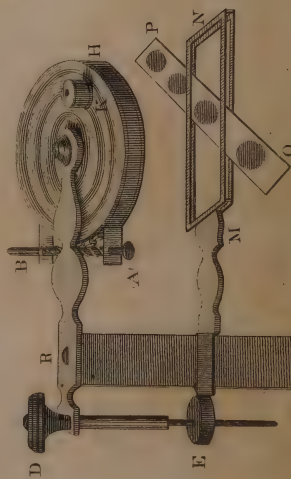


Fig. 3.

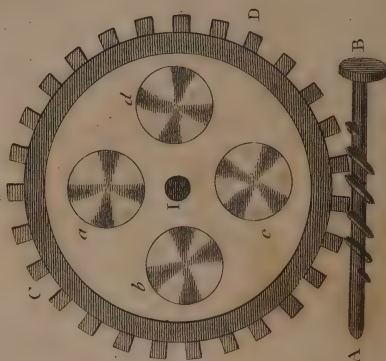
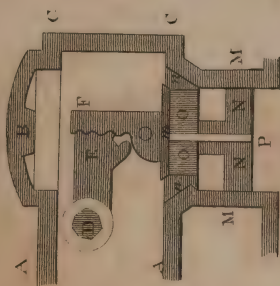


Fig. 4.



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Fig. 5.

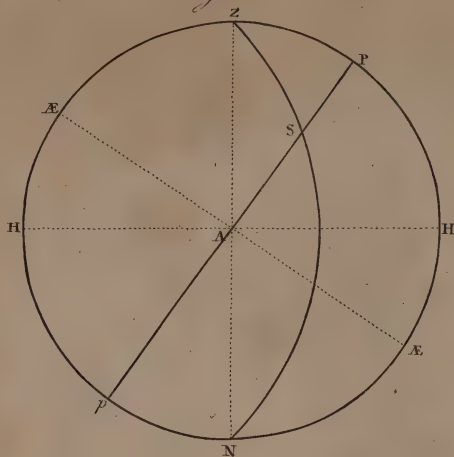


Fig. 4.

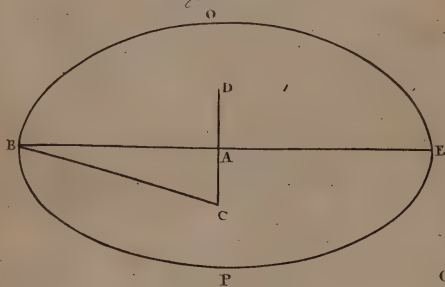


Fig. 3.

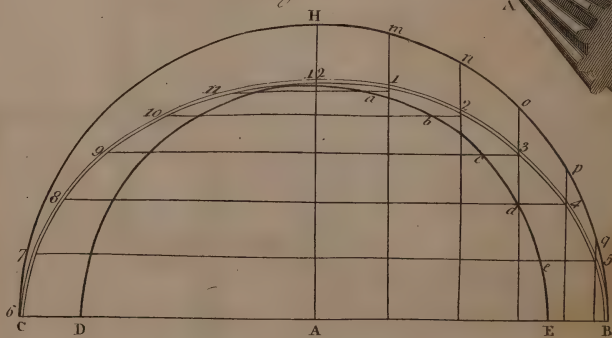
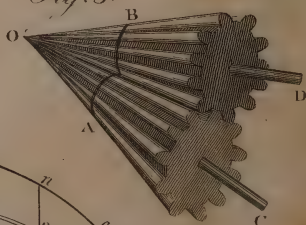


Fig. 8.



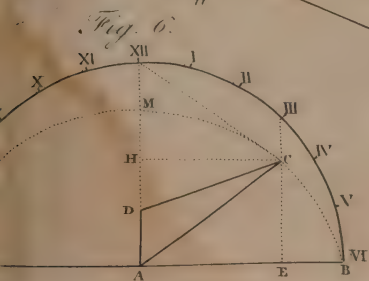
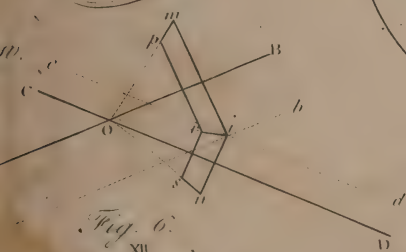
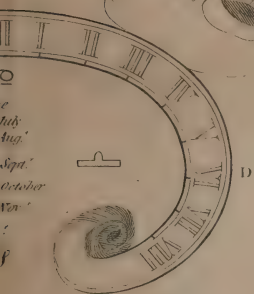
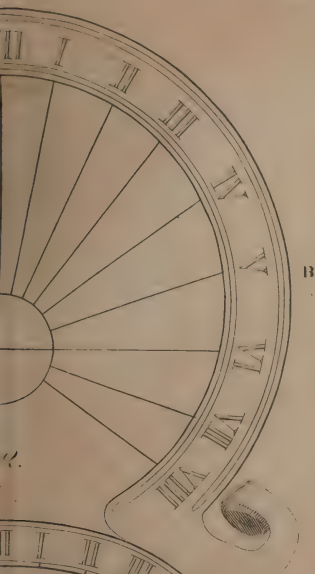


Fig. 1.

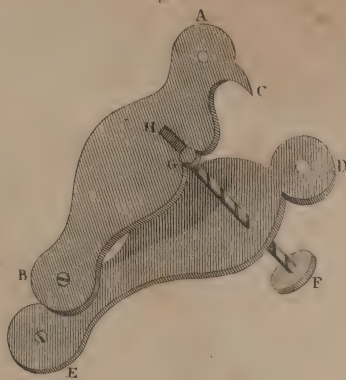


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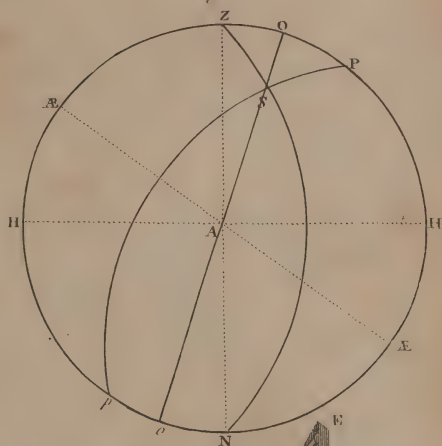


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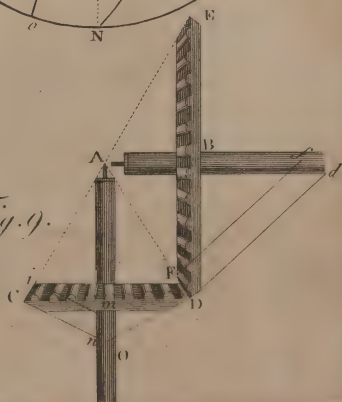


Fig. 1.

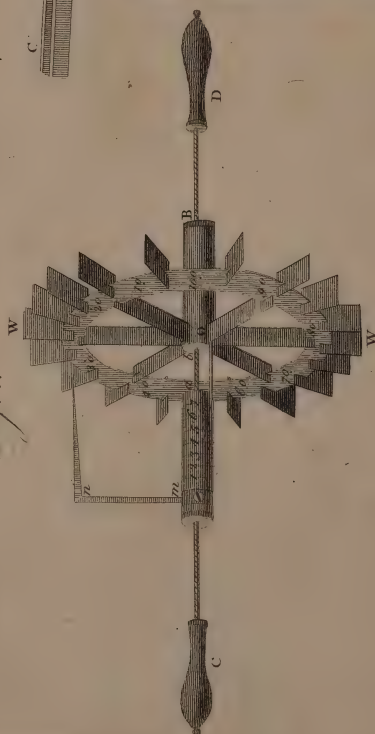


Fig. 2.

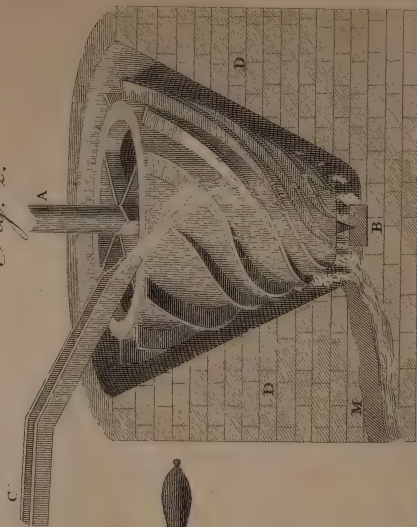


Fig. 5.

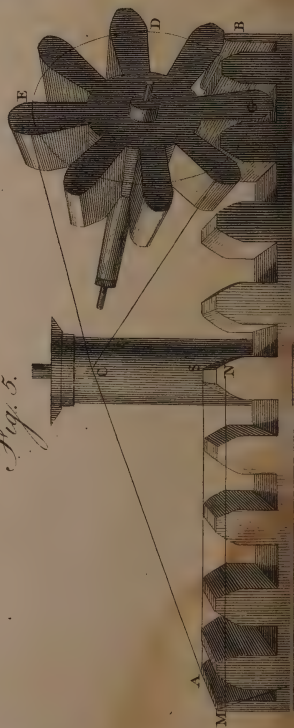
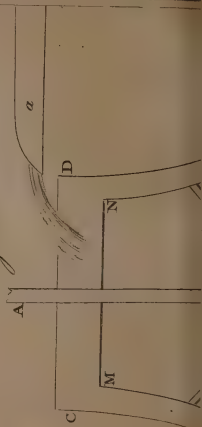
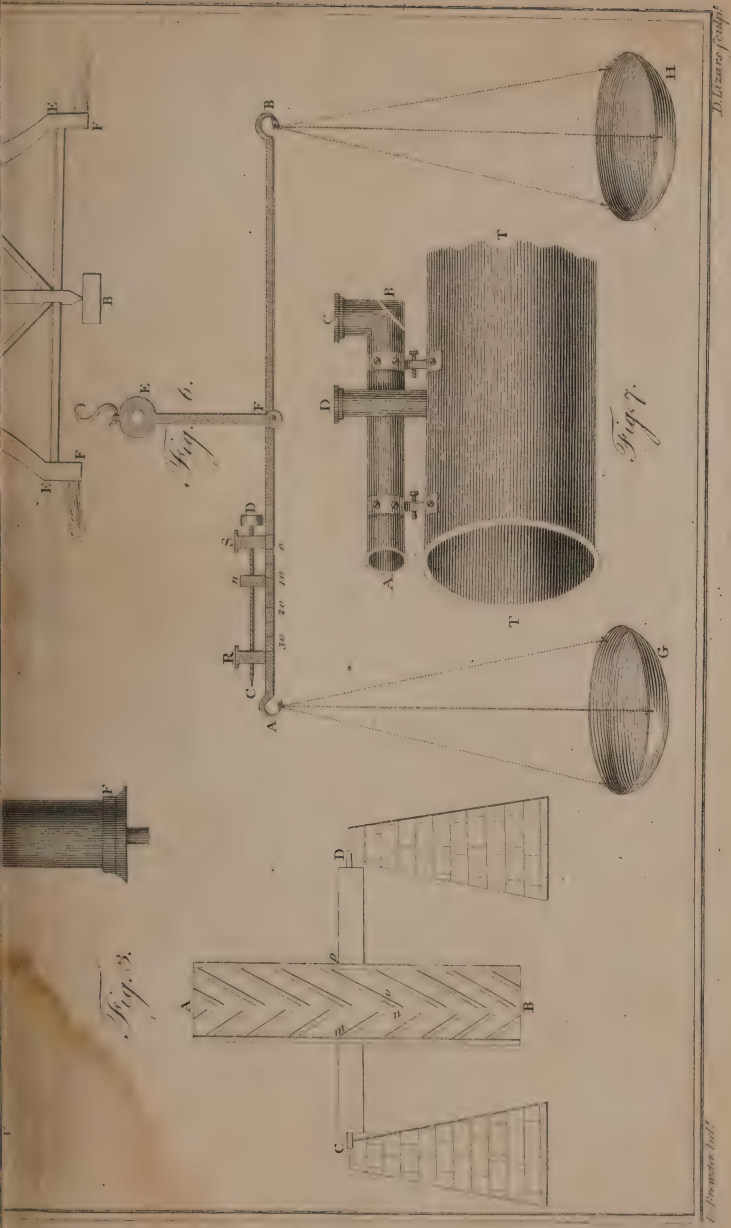


Fig. 4.





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P. Perreux del.



PLATE XIV.

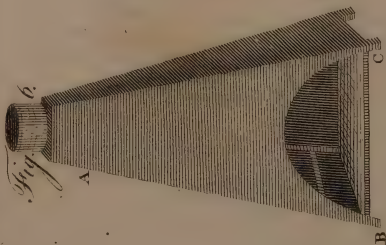


Fig. 2.

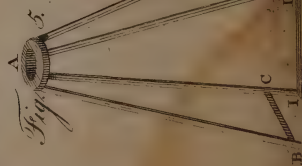
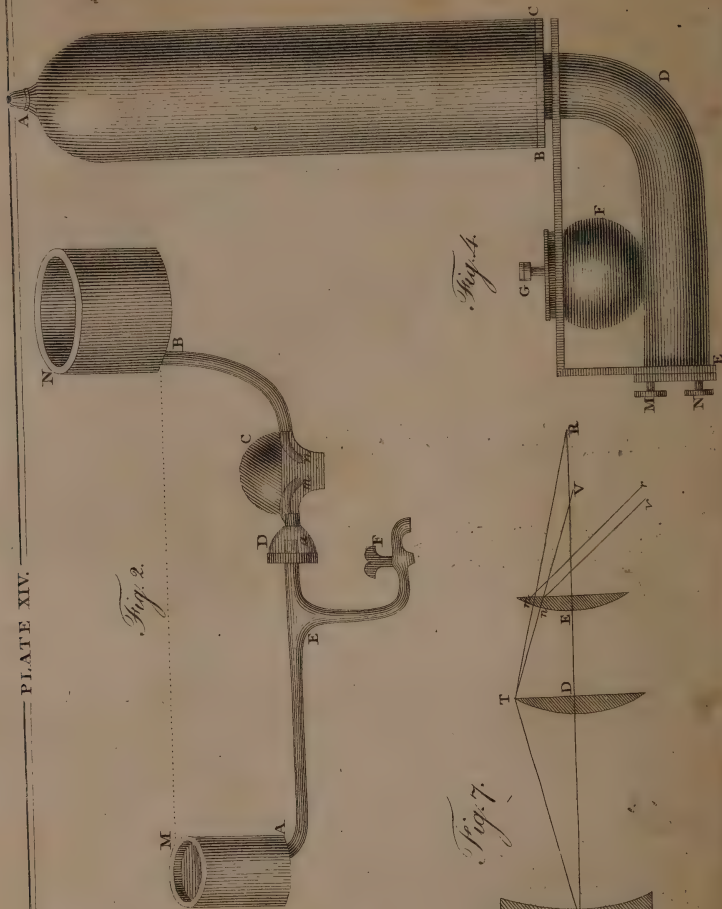


Fig. 7.

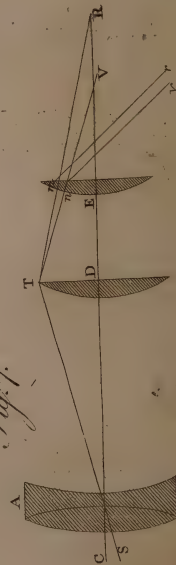


Fig. 4.

